Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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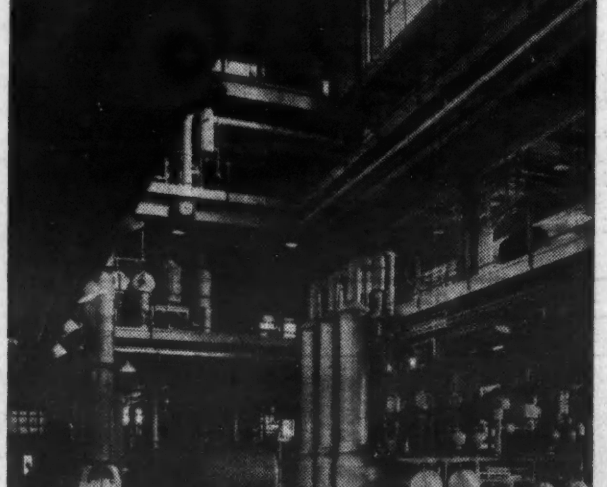

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Oil, Paint and Drug Reporter

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olume 157 No. 20 | 30 Church Street, New York 7, N. Y. | May 15, 1950

TO Seen Threatening aws of United States

The house foreign affairs committee s warned last week that adoption of e Havana charter for the International ade Organization binds the United ates in maintaining world-wide full nployment and will replace the laws this country "with those of an inter- tional socialist planned economy state." The warning was contained in a state- nt read to the committee by Dr. Elvin Killheffer appearing on behalf of the nthetic Organic Chemical Manufac- rers Association, the Manufacturing emists Association and the Chemical liance. Dr. Killheffer was a member the United States delegation at the vana conference where the ITO charter s drawn up.

He laid particular stress on the fact at article three of the charter states at each member shall take action de- gned to achieve and maintain full and oductive employment. This chapter uld require the United States to take ion to achieve and maintain full em- yment within its own territory, he d, and to cooperate with other nations well. Such an end can be achieved, added, only by unbalancing the dget, inflating the currency, and im- sing exchange controls which in turn uld lead to contraction rather than to pansion of international trade.

The entire charter is a record of dis- reement, Dr. Killheffer stated, the st serious of which being a planned rsus a free economy. The charter, he d, recognizes state controls and owner- ip and state trading; this requires state nning which is state socialism, the ithesis of private enterprise.

He urged that the United States go ck to the original concept of the ITO an organization having only consulta- e aind advisory functions. These func- ns could, in turn, lead to genuine reements on principles which could er be adopted by the member countries.

CC Acquires Soybeans

Commodity Credit Corporation last ek announced approval of a contract th a New York export-import firm ex- anging 60,000 tons of Manchurian llow soybeans, for use by the army in pan, for CCC-owner commodities, prin- ally cotton. Through an arrangement th the army, the soybeans will be ipped directly to Japan.

Superphosphate Contracts Awarded to Three Firms

Contracts were awarded last week by the Federal Supply Service for 58,000 metric tons of ammoniated superphosphate to be purchased for shipment to Korea under the ECA program as a result of bids opened May 8. A total of 62,500 metric tons were called for in the bid invitation but awards were made only on 58,000 metric tons.

The contracts went to Summers Fertilizer Company for 10,000 tons at $23.94 per metric ton; to Southern Fertilizer & Chemical Company for 20,000 tons at $24.13 per metric ton, and to H. J. Baker & Bro., for 28,000 tons at $23.70 per ton. Of the 28,000 tons, 18,000 will be supplied by Armour Fertilizer Works, and 10,000 tons by Wilson & Toomer Fertilizer Company.

Ammonium Phosphate, Sulphate Sought for China

The Federal Supply Service last week announced the contemplated purchase of 10,000 metric tons of ammonium phosphate and 25,000 metric tons of ammonium sulphate for shipment to China under the ECA program. Bids are to be submitted under ECA procurement authorizations Nos. 84-230-3205-1 and 84-230-3206-1 and will be opened at 2 p.m. (EDST) May 15. Telegraphic offers will be considered. The supply source may be either the United States or Canada. The material must be packed in 100-pound standard six-ply export paper bags and delivered not later than June 30.

Science Foundation Created

The national science foundation bill was signed into law May 10 by President Truman. In a statement on his action, the President described the foundation as a "major landmark in the history of science in the United States."

The bill provides for a twenty-four-man board to supervise the operations of the foundation and the letting of research contracts and scholarships. The members of the board are to be appointed by the President and confirmed by the senate.

Drug Industry Receives Greater Voice in USP Convention Affairs

The United States Pharmacopeial Convention, holding its decennial meeting May 8 to 10 in the Statler hotel, Washington, voted to give industry a larger voice in the running of the convention's affairs and in the preparation of standards for U.S.P. items. For the first time in history, representatives of industry were elected to the office of vice-president and to the board of trustees.

At the same time, the convention voted its approval of a major revision of its constitution and by-laws that will cut the delegate membership to around a third of its present size, reduce the number of vice-presidents to one, and otherwise make the convention less cumbersome than in the past.

It also reaffirmed its opposition to any move designed to make the International Pharmacopeia the legal standard of any country that now has its own pharmacopeia, and approved pension plans for the retiring chairman of the revision committee, E. Fullerton Cook, for the new chairman, Dr. Lloyd Miller, and for the secretary of the convention, Adley B. Nichols.

Dr. Allan H. Bunce was elected president of the convention for the ensuing ten years, succeeding Dr. Cary Eggleston. Theodore G. Klumpp, president of Winthrop-Stearns, Inc., was elected vice-president. Adley B. Nichols was re-elected secretary, and W. Paul Briggs was reelected treasurer.

The following were elected to the board of trustees:—

For pharmacy—P. H. Costello, secretary of the National Association of Boards of Pharmacy, and Robert L. Swain, editor of *Drug Topics*; for medicine—Dr. Arthur C. Degraff of the New York University College of Medicine, and Dr. Austin Smith, secretary of the council of pharmacy and chemistry of the American Medical Association; at large—Carson P. Frailey, executive vice-president of the American Drug Manufacturers Association, and Ernest Little of Rutgers University.

Industry men elected to the revision committee were the following:—

Elmer L. Sevringhaus of Hoffmann-La Roche, Inc.; George E. Farrar, jr., of Wyeth, Inc.; James S. Hill of Stines Drug Stores; Frederick D. Lascoff of J. Leon Lascoff & Son, Inc.; Edgar B. Carter of Abbott Laboratories; Justin L. Powers and Albert M. Mattachs of the American Pharmaceutical Association; Frank O. Taylor, chairman of the Combined Contact Committee; Albert Q. Butler of Mallinckrodt Chemical Works; Joseph Rosin of Merck & Co. (retired); Karl August Folkers of Merck; Roland H. Noel of Bristol Laboratories, Inc.; Edwin L. Newcomb, executive vice-president of the National Wholesale Druggists Association.

In his opening address to the conven-

—Continued on page 58

Corporation Incomes With 1947 Taxes

According to a tabulation prepared under the direction of the Commissioner of Internal Revenue, corporation income and tax data for 1947 included the following with respect of the chemical and related products and petroleum and coal products industries:—

Chemicals and Related Products

	With net income	With no net income
Number of returns	4,578	2,948
Total compiled receipts	$13,261,376,000	$370,891,000
Net income	1,832,816,000	
Deficit		41,016,000
Income tax	653,386,000	
Dividends paid, other than in own stock	523,040,000	806,000
Dividends received from domestic corporations	107,597,000	139,000
Interest received on government obligations, net	8,452,000	98,000
Consolidated Returns		
Number of returns	20	14
Number of subsidiaries	98	47
Total compiled receipts	$265,981,000	$23,452,000
Net income	25,415,000	
Deficit		2,417,000
Income tax	9,631,000	
Dividends paid, other than in own stock	9,215,000	17,000

Petroleum and Coal Products

Number of returns	407	147
Total compiled receipts	$14,939,082,000	$111,496,000
Net income	1,309,633,000	
Deficit		6,463,000
Income tax	421,900,000	
Dividends paid, other than in own stock	589,529,000	303,000
Dividends received from domestic corporations	194,834,000	2,000
Interest received on government obligations, net	7,923,000	4,000
Consolidated Returns		
Number of returns	18	3
Number of subsidiaries	267	13
Total compiled receipts	$7,625,626,000	$17,417,000
Net income	584,424,000	
Deficit		219,000
Income tax	179,539,000	
Dividends paid, other than in own stock	296,815,000	296,000

Lard Sought for Germany Under ECA Authorization

Production and Marketing Administration is accepting bids today for the contemplated purchase by the government of substantial quantities of refined or unrefined lard for Germany under an ECA procurement authorization. The bids will be accepted not later than 11:59 p.m., May 17.

The administration said that the lard is to have antioxidant added and delivery may be made in three periods: by May 31, June 1 to 15 and June 16 to 30. Offers are to be made on the basis f.o.b. plant, and lard may be packaged in boxes, tierces and drums suitable for export.

Further information concerning the announcement (LS-49) may be obtained from the livestock branch, PMA, Department of Agriculture, Room 3510, South building, Washington, D. C., telephone, Republic 4142, extension 2506 or 2650.

FSA Authorizes Use Of New Coaltar Color

A tentative order was issued last week by the Federal Security Agency to permit the use of an additional coaltar color, to be known as FD&C Violet No. 1, in the manufacture of foods, drugs and cosmetics. The order will become effective ten days from its publication in the *Federal Register* May 11 unless objected to by interested persons.

The agency said that the new color would replace D&C Violet No. 1, which previously had been listed as a coaltar color that could be used in the manufacture of drugs and cosmetics, but not in foods. The two colors are essentially the same, except that FD&C Violet No. 1 has fewer impurities and a greater content of pure dye.

Flaxseed World Production 136,800,000 Bushels in '49

World production of flaxseed in 1949 is estimated at 136,800,000 bushels by the Office of Foreign Agricultural Relations. This compares with 150,100,000 bushels for 1948. The greatest decrease in 1949 output was in North America, where all flaxseed crops were smaller than a year earlier. Despite the sharp decline, however, this continent produced more than one-third of the world total.

Production in North America totaled 47,737,000 bushels, which compares with 74,123,000 bushels in 1948. South American production increased to 27,950,000 bushels from 25,310,000 bushels, while production in Asia declined from 20,045,000 bushels to 19,900,000 bushels. Production in Europe amounted to 9,540,000 bushels, compared with 1948's 8,450,000 bushels; in Africa it was 5,080,000 bushels, against 2,485,000 bushels, and in Oceania it was 540,000 bushels, against 365,000 bushels.

CCC Extends Storage Loans to June 30, '51

Production and Marketing Administration of the Department of Agriculture announced last week that loans to farmers to finance construction or purchase of suitable farm storage facilities for grain and other storable crops will be available through June 30, 1951.

Under the original plan, announced by the Secretary of Agriculture last year, loans were to be available only through June 30, 1950.

Price Trend Shows No Change

Higher prices in four divisions of the eneral market for chemicals, oils and ugs last week failed to offset declines two others. As a result, the overall in- x remained unchanged from the pre- ous week and was still 12 points below at of this time last year.

Advances in both lead and zinc metals rought with them rises in the metal- sed pigments. Upward adjustment, by rying amounts, were made by one pro- cer of drying oil modified alkyd resins. nported casein and bleached shellac ere lowered. Prices on raw and burnt nber, brown sienna and metallic brown ere due to be higher today.

Trend of crude edible vegetable oil rices continued upward, scoring frac- onal advances. The sharpest increases ok place in soybean and cottonseed oils. orn and oleo oils, carnauba wax and rd were higher, to offset declines in tung d coconut oils, copra and degras.

In general, the drug and organic chem- al industry noted a stable price struc- re. Cocoa butter was again advanced, flecting the strong commodity market. enthol was higher, due to lack of of- rings from the Far East and small ship- ents from Brazil. Sulphanilamide de- ined sharply. Industrial organics were oving in large volume, while drug items, th exceptions such as antibiotics, were oving sluggishly.

Shipments of heavy chemicals were lding well for this time of year but me slowdown is expected during the ummer. Tin chloride was advanced and pper sulphate was very tight, with de- and heavy and shipments behind sched- e. Tight position of chlorine is affect- g production of chlorine-based chemi- ls and solvents. Among the agricultural chemicals, the anticipated price slash in coke-oven ammonium sulphate was announced, the decline being more severe than the trade has looked for. Zinc sulphate demand broadened.

The railway strike that crippled transportation west of Harrisburg and Buffalo seriously hampered shipments in the coal chemical industry, much of which is centered in the areas affected. Sole price development was a boost in imported cresylic acid. Demand for pyridin fell off because of curtailed output of antihistamine drugs. Aromatic chemicals were still in short supply with prices firm, whereas quotations on petroleum-source toluol and xylol were advanced.

Demand in the botanical market remained light. Among the drug items, higher prices were reported for ginger root and powdered kamala, while reductions were made in prices on belladonna leaves and black haw root bark. In the spices end, reductions were double that of advances. Essential oils were in routine demand and, pricewise, advances were in about balance with declines.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

May 12, 1950	May 5, 1950	Dec. 30, 1949	May 13, 1949
120.6	120.6	124.8	131.1

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1948	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	132.3	134.9	115.5

Congressional Investigation of Use Of Chemicals in Foods Proposed

The house rules committee last week reported the Keefe-Sabath resolution for a congressional investigation of the effects on the public health of the use of chemicals in the production and processing of foods. The resolution now goes to the house floor for passage, but no date has been set for its consideration. The favorable committee action followed a hearing at which Commissioner Paul D. Dunbar of the Food and Drug Administration urged that the investigation be authorized.

The investigation would deal with such matters as chemical fertilizers, chemical insecticides, and chemical additives to processed foods for their improving flavor, keeping qualities, and other characteristics. It has its inception, partly, in the hearings recently closed by FDA on proposed changes in the standards for bread which would permit the use of chemical emulsifiers.

Dr. Dunbar told the committee that he felt that before any chemical substance is incorporated in foods it should be encumbent upon the manufacturer to supply ample proof that the food will not be rendered poisonous. Under existing law no such requirement is imposed, and the burden of proof rests with the government to show that the added substance was deleterious.

He said that the law could be changed to force this requirement by a "simple" amendment to the federal food, drugs and cosmetics act, but he agreed with Representative Frank Keefe of Wisconsin that there is need for much more information than is now available on this broad subject, and therefore he believed a congressional investigation would be helpful.

The commissioner stated that while most companies put their products through rigorous tests, there has been a

—*Continued on page 73*

DCAT Honors Nine At Testimonial Dinner

The Drug, Chemical and Allied Trades section of the New York Board of Trade honored nine men at a testimonial dinner in the Astor hotel May 10 for their long, impartial service to the drug and chemical industries. They are:—

James J. Clark, former vice-president of the Liggett Drug Company; Dr. Elvin H. Killheffer, of du Pont; Frank L. McCartney, former president of Norwich Pharmacal Company; Irving McKesson, former president of New York Quinine & Chemical Works; Charles A. Prickitt, former vice-president of the Upjohn Company; A. A. Teeter, former treasurer of Charles Pfizer & Co.; A. A. Wasserscheid, former vice-president of Mallinckrodt Chemical Works; Herman G. Weicker, former president of Dodge & Olcott Company, and Edward Zink, former eastern sales manager of Eli Lilly & Co. Each was given a parchment scroll of honor.

Three other men, Samuel W. Fraser, former American head of Burroughs, Welcome & Co.; Guy L. Marsters, another former president of Norwich Pharmacal, and Dr. William J. Schieffelin, former president of Schieffelin & Co., were also tendered scrolls, but were not present to receive them.

E. T. T. Williams, president of the Lambert Company, acted as toastmaster. Also seated on the dais were Harold C. Green, L. Sonneborn Sons, Inc., DCAT chairman; C. P. Walker, Chas. Pfizer, chairman of the arrangements committee, and George R. Tompkins, former eastern sales manager of Parke, Davis & Co., a former scroll recipient.

The honor guest committee for the dinner composed the following:—William D. Barry, vice-president, Mallinckrodt; Burton T. Bush, president, Bush Aromatics, Inc.; James C. Chilcott, president, Chilcott Laboratories division of the Maltine Company; James DeCesare, president, White Laboratories, Inc.; Philip M. Dinkins, president, Jefferson Chemical Company; Charles L. Huisking, president, Charles L. Huisking & Co.; Joseph A. Huisking, vice-president, Fritzsche Brothers, Inc.; Percy C. Magnus, president, Magnus, Mabee & Reynard, Inc.; S. Barksdale Penick, chairman of board, S. B. Penick & Co.; S. Barksdale Penick, jr., president of Penick; Edward Plaut, president, Lehn & Fink Products Corporation; John J. Toohy, vice-president, E. R. Squibb & Sons; Victor E. Williams, director of sales, Monsanto Chemical Company, and E. T. T. Williams.

Solvay to Advance Alkali Prices July 1

Solvay Sales Division of Allied Chemical & Dye Corporation has announced an increase of 10 cents per 100 pounds on soda ash and 15 cents per 100 pounds on chlorine and caustic soda in all forms, effective July 1. Soda ash prices per 100 pounds, in carloads, f.o.b. works, will be as follows:—

Fifty-eight percent light, $1.10 in bulk, $1.35 in paper bags, and $1.85 in barrels; 58 percent dense, $1.20 in bulk, $1.45 in paper bags and $1.95 in barrels.

Caustic soda prices will be as follows:—76 percent solid, drums, carloads, $3.20 per 100 pounds; 76 percent flake, ground or powdered, drums, carloads, $3.60 per 100 pounds; 50 percent liquid, basis 76 percent, sellers' tankcars, $2.55 per 100 pounds, and 10 cents higher for the rayon grade; 70-74 percent liquid, basis 76 percent, sellers' tankcars, $2.65 per 100 pounds, and 10 cents higher for the rayon grade.

Liquid chlorine will be as follows:—Single unit tankcars, $2.55 per 100 pounds; multiple units, three cars (forty-five tons) or more per year to one destination, contract customers only, $3.05 per 100 pounds; multiple units, two cars (thirty tons) per year to one destination, contract customers only, $3.65 per 100 pounds; multiple units, one car (fifteen tons), $4.25 per 100 pounds, and multiple units, less than fifteen tons per year, $4.60 per 100 pounds.

Monsanto Research Aid

Howard K. Nason, formerly director of the central research department of Monsanto Chemical Company, St. Louis, Mo., has been appointed assistant to the research vice-president. Mr. Nason, who has been with the company since 1936, will assist in coordinating the research, development and patent activities of the concern.

Oils Trading on 5-Day Week

The New York Produce Exchange has announced that cottonseed oil and soybean oil futures markets will be closed Saturdays from June 3 to September 9, inclusive.

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Sunray-Barnsdall Merger To Be Voted on June 19

Special meetings will be held June 19 by stockholders of Sunray Oil Corporation and Barnsdall Oil Company, at which they will vote on a proposed agreement whereby the latter firm will be merged into Sunray. Directors of both concerns have already approved the plan.

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SOCMA Told of Dangers Facing Chemical Industry

The "most serious threat the America chemical industry has had to face f twenty years" was described by Sydney Moody of Calco Chemical Division American Cynamid Company at t monthly luncheon meeting of the Sy thetic Organic Chemical Manufacture Association, held at the Commodore hot New York, May 10.

Mr. Moody, president of the associatio said that one phase of the attack is a pr posed charter for the International Tra Organization, a principle of which wou wipe out the concept of the Americ selling price. In effect, he added, IT would mean that congress would give control over United States' foreign trad

He urged members to submit brie stating their views to the foreign affai committee before the hearings ended la Friday. Dr. Elvin H. Killheffer appear before the committee on Friday on beha of both SOCMA and the Manufacturi Chemists Association (story on page

Mr. Moody declared a second dang faced by the industry was the propos revision of customs procedure which al would seek a substitute for the Americ selling price. He revealed that SOCM has a consultant now touring Euro studying the effects of devaluation on t American chemical industry. The pr posal is in the hands of the house wa and means committee, he said, and whe hearings are scheduled the association views on the proposal will be based pri cipally on the findings of the Europea survey.

Thirdly, Mr. Moody continued, is t long, comprehensive list of chemical pro ucts proposed for tariff negotiations Torquay, England, in the fall, which now being drawn up by the committee f reciprocity information. He urged me bers to present written briefs and, if po sible, appear in person, at the hearin which start May 24.

Smith Douglas Elects R. Douglas President

Ralph B. Douglass was elected pres dent of Smith Douglass Company, Norfol Va., at a meeting of the board of director May 11. Mr. Douglass, who had been vic president and treasurer of the fertiliz concern, succeeds Oscar F. Smith, wh died recently.

Willard R. Ashburn, a Norfolk attorne was elected general counsel. Other o ficers of the company are James A. Mo roe and William B. Copeland, vice-pres dents, and W. Farley Powers, secretar Mr. Douglass is a cofounder of the Amer can Plant Food Council and is a membe of the council's board of directors.

Italian Govt. Issues More Import Licenses

An additional list of import license that have been granted by the Italian go ernment showing the name of the i porter, the commodity and the dolla amount involved was issued last week b the office of small business of the Ec nomic Cooperation Administration.

The list covers licenses issued durin the period March 16 to 31, and include a number of products of sizable dolla amounts in the chemicals and allied i dustries fields. The list is contained i small business circular No. 104, obtainabl from ECA, Washington, D. C.

Justice Department Files Petroleum Antitrust Suit

A civil suit charging seven major o companies with violating the antitrus laws in the production, transportation, re fining and marketing of crude oil and re fined petroleum products in the Pacifi states area was filed in the federal cour in Los Angeles May 12 by the Departmen of Justice.

Named as defendants were Standar Oil Company of California, the Texa Company, Shell Oil Company, Tidewate Associated Oil Company, Richfield Oil Cor poration, General Petroleum Corporatio and the Union Oil Company of California

Who Has It?

Inquiries in the OPD editorial offic seek sources from which the material listed below can be obtained. Informa tion will be gratefully received here:—

Amyl crotonyl acetate.
Ditolyl methane.
Lauryl biguanidine chlorhydrate.
2-Methyl-4 amino-1-naphthol hydrochloride
Trihexyl phenidyl 3 - (1-piperidyl) -phenyl-1 cyclohexyl-1-propanol hydrochloride.

Paint Materials Progress Reported to Federation

(Report prepared by the committee on materials of the Federation of Paint and Varnish Production Clubs for presentation by Chairman William P. Colio, of E. I. du Pont de Nemours & Co., to the council of the federation in Cleveland, Ohio, May 13.)

This constitutes the May, 1950, interim report of the materials committee. New developments since the last November convention are discussed.

Pigments

The du Pont company is announcing two platinum-violets:—BP-273-D, the high-strength product, and BP-176-D, the lake. They are brilliant and lightfast pigments which may be used for reddening iron and copper phthalocyanin blue tints or metallics. White, gray, and tan finishes may be toned without loss of brilliance or lightfastness. These platinum-violets may be used whenever chemical resistance properties are required.

The Goodyear Tire & Rubber Company is adding a new Monastral blue base PB-66-A to the S-5 line. This is a higher pigment content modification of PB-66 S-5. The new base will have less tendency to flocculate and to color drift in the can.

R-B-H Dispersions is now offering its P-192 series, which provides for a full range of colors dispersed in a water-soluble base suitable for pigmenting latexes.

Oils

Falk & Co. is marketing Falkidine, a segregated, refined drying oil with extremely high iodine value. Falkidine may be obtained as a triglyceride at a raw oil viscosity or bodied at Z-3 to Z-5 viscosity. A combination of 60 parts Falkidine with 40 parts soya will match linseed in bodying rate and drying speed. In combination with dehydrated castor oil, Falkidine will

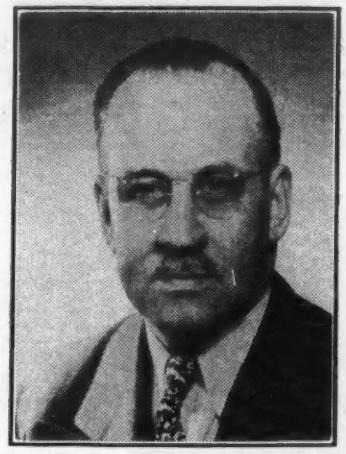
—Continued on page 71

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Chromates, Dusseldorf, Germany (FQ-1).
Cicoil, Dusseldorf, Germany (FQ-1).
Dipentene, Dusseldorf, Germany (FQ-1).
Dyes, including napthalene black, chrysoidine, and direct black, Damascus, Syria (FQ-2).
Gilsonite, Dusseldorf, Germany (FQ-1).
Milk powder, Marseille, France (FQ-3, agency).
Pine oil, Dusseldorf, Germany (FQ-1).
Rosin, gum and wood, Dusseldorf, Germany (FQ-1).
Soybean oil, Dusseldorf, Germany (FQ-1).
Starch, powdered, corn and potato, Dusseldorf, Germany (FQ-1).
Sulphur, crude, Dusseldorf, Germany (FQ-1).
Turpentine, gum and wood, Dusseldorf, Germany (FQ-1).
Wood oil, Dusseldorf, Germany (FQ-1).

Belle Chemical Vice-Pres.



George O. Linberg, formerly sales manager of the textile chemical department of Monsanto Chemical Company, has joined Belle Chemical Company, dyestuffs manufacturer, Reading, Pa., as vice-president and a director. He is vice-president of the American Association of Textile Chemists and Colorists, vice-president of the Dry Salters Club of New England, and New England councillor for the American Society of Testing Materials.

Woburn Opens N.Y. Officee

The newly created Woburn-Fleming sales division of the Woburn Chemical Corporation (OPD, 5/1/50) has opened a New York office at 75 Varick street, New York 13, under the direction of Joseph P. Fleming. Woburn's headquarters are in Harrison, N. J.

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Beverage manufacturers—Australia; Brazil.
Ethyl glyoxalate.
2-Hydroxyquinoxaline.
Medicinal & toilet preparation importers, dealers—Netherlands.
Medicinal & toilet preparation manufacturers—Finland.
Oils (animal, fish, vegetable) importers, dealers, producers, etc.—Trinidad, B.W.I.
Soap maunfacturers—Hong Kong.
Textile industry—El Salvador.

Washington Talks It Over

By Ralph L. Cherry

House Minority Leader Martin issued a statement a few days ago criticizing the ways and means committee for the long time it is taking to write the tax-reduction bill, and accusing it of stalling on the job. Ordinarily, a statement of this kind —coming as it did from the Republican leader—might be dismissed as pure politics, but a closer examination of the situation lends some support to the view that there may be something to what Mr. Martin charges.

The committee has been at work on the bill continuously since the middle of March, except for a ten-day recess over Easter. In that time, the committee has tentatively approved reductions in excise taxes totaling over $1,000,000,000. Now it is trying to find ways of recouping this revenue loss without causing too great an outcry from those that will be hit without much success. In fact, the committee would like to report the excise-reduction bill and forget about the rest, but the White House will not let it.

As it stands now, the committee has exceeded by over $350,000,000 the White House estimate of the amount of excise tax reductions that should be allowed, and if it doesn't make up the loss from other sources, the President is bound to veto the bill. The President's arguments become more pertinent as the shade of red in the Treasury deficit daily gets deeper and deeper.

What a lot of people are expecting to happen is that the committee will bring in a bill reducing excises and maybe making some pretense of picking up the loss from other sources, which will be something that the congressmen can vote for and get off the hook with their constituents. The bill will then go to the senate where a great hue and cry will be raised about reducing taxes while the Treasury is going deeper in the red. The senate will pass the bill, however, and it will go to the White House where it will be vetoed. No attempt to override will be made because of a lack of enough votes and thus there will be no changes in taxes this year.

All this is in the realm of speculation by persons claiming to know the inner workings of congress. They insist that that is about the way the situation stacks up at this time, but subject to change by unforeseen developments.

Import Stimulation Sought

ECA is stepping up its efforts to encourage the Marshall Plan countries to send their products to the United States market. Recently the agency announced the establishment of a special division on international trade promotion. A few days ago announcement was made that the division was sending four men abroad to stir up interest in selling more goods to this country.

George L. Artamonoff, New York, is being sent to ECA's overseas headquarters in Paris; James C. Minnotto, Phoenix, Ariz., was assigned to Rome; Edwin R. Dibrell, New York, was sent to London, and William E. Weiss, jr., New York, was assigned to Frankfurt, Germany. They will deal with the governments on incentives to exporters and reduction of trade barriers, and with European trade associations and private exporters on problems of increasing exports to the hard currency area.

Mr. Weiss has been president of Natcon

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Stream Pollution Task Committee To Plan Broad National Program

The organization of a national technical task committee on industrial wastes was announced last week by the Federal Security Agency following a meeting in Washington of nineteen major industrial groups to further the objectives of a broad national program of stream pollution abatement authorized by the water pollution control act of 1948.

Elected as officers of the task committee, following a two-day meeting May 9 and 10 held under the auspices of the Public Health Service, were:—Chairman, Lyman Cox, chairman of the water pollution abatement committee of the Manufacturing Chemists Association and waste disposal consultant for E. I. du Pont de Nemours, Inc.; vice-chairman, Dr. Harry Gehm, president of the national council for stream improvement of the Pulp, Paper and Paper Board Industries, Inc., and secretary, L. F. Warrick, chief of the technical service branch of the division of the water pollution control of PHS.

Three tasks were set forth by the committee for immediate undertaking and report to the next meeting, tentatively scheduled for October in Cincinnati: (1) assemble a source list of existing processes and practices employed in using, treating and controlling industrial waste; (2) assemble a tabulation of research projects concerned with utilization, treatment and disposal of waste; (3) provide a test which will define problems that confront a given industrial group and for which there is no satisfactory solution, particularly those which are common to more than one industry.

MCA Pollution Work

Mr. Cox, one of the principal speakers on the opening day of the meeting, described the functions and purposes of the water pollution abatement committee of MCA to keep the chemical industry advised on developments in the field of waste treatment. He told the group that MCA was now canvassing the industry on the amount of water used in its operations, the magnitude of the waste problem, and how much is being spent on water and waste treatment.

He also discussed a model water pollution control law which MCA has drawn up to overcome conflicts in state laws and the conflicting jurisdiction within the states. The law places overall control in the health department of the state, he said, because the state health engineers seem to be more conversant with the waste problem and understand it better than the local health authorities.

Mr. Cox announced that MCA is going to issue a series of manuals on waste treatment, and said that the first one would be ready shortly.

Petroleum Industry Problems

Water pollution problems created by the petroleum industry and the efforts being made by the industry to overcome them were described by Lee C. Borroughs of Shell Oil Company. He said that the American Petroleum Institute had issued several manuals on treatment of waste water and is financing several research projects to determine toxicity of waste on animal and bacteria.

Dr. Carl E. Schwob, chief of the division of water pollution control of PHS, described the opportunity afforded by the water pollution control act to attack the pollution problem on a national scale and told how PHS is endeavoring to guide the states to enact laws which are generally uniform in character, so as to minimize conflicts that would be burdensome and irritating to industry.

H.J. Baker & Bro. Now Celebrating 100th Birthday

H. J. Baker & Bro., New York, this year celebrates its 100th anniversary as an importer, exporter and distributor of heavy chemical, feeding and fertilizer materials, coincident with the centennial celebration of the fertilizer industry itself.

The Baker organization stems from a Baltimore firm, Baker Brothers & Co., started in 1842 by Henry J. and Charles J. Baker in the paint, oil and glass trade. In 1850 the brothers organized H. J. Baker & Bro., in New York, for the purpose of conducting a paint, oil and glass business and for the importation of French glass and chemicals. H. J. Baker came to New York while Charles remained in Baltimore.

In 1851, Henry J. Baker was joined by Conrad Braker, jr. The Baker organization remained a partnership throughout its history, but on the death of Henry J. Baker the connection of the Baker family with the partnership ceased. Subsequently, the son of Conrad Braker, Henry J. Braker, joined his father in the partnership and, on the death of his father, continued the business. In 1901 he took in

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Pentachlorophenol Approved By Wood Preservers Ass'n

K. R. Fox, manager of the wood preservative sales department of Monsanto Chemical Company, St. Louis, Mo., has predicted an increased use of pentachlorophenol as a wood preservative. Mr. Fox, who participated in the commercial development of penta, made the forecast following the recent approval of the material as a standard oil-borne wood preservative by the American Wood Preservers Association.

Prior to this action, Mr. Fox said, the only other oil type preservatives recognized by AWPA were coaltar creosote and creosote-coaltar blends. Penta, which is said to be versatile in application, is claimed to have controlled uniformity and a fixed preservative value.

Esso Appoints Breen LPG Sales Manager

Esso Standard Oil Company, New York, has appointed C. A. Breen manager of the concern's liquefied gas sales division. Assistant manager of cargo and marine sales for the past year, Mr. Breen was previously with Sylvestre Oil Company, a marketing affiliate of Esso, for twelve years and served as that company's president from 1944 to 1949.

He joined the Esso organization in 1924, becoming manager of fuel oil sales in New Jersey six years later. In 1937 he joined Sylvestre as vice-president and director. He went to Esso Standard in 1942 as assistant division manager of the New York sales division, returning to Sylvestre in 1944 as president.

Antihistamine Producers Still Under FTC Attack

Grove Laboratories, Inc., St. Louis, last week became the fifth seller of antihistamine preparations to be charged with false and misleading advertising. In a complaint issued by the Federal Trade Commission, Grove is charged with misrepresenting the therapeutic properties and effectiveness of "Antamine" in the treatment of the common cold, as well as the safety of the product.

Edwal Labs Consolidates Manufacturing Facilities

Edwal Laboratories, Inc., has announced completion of a consolidation program at its Ringwood, Ill., plant. The concern, which manufactures intermediate organic chemicals, process raw materials and formula ingredients for the chemical, pharmaceutical, dyestuff and photographic reproduction industries, has glass-lined and stainless steel equipment ranging from five to 2,000 gallons.

Reichhold Chemical Buys Nobell Resins Company

Reichhold Chemicals, Inc., Detroit, Mich., has acquired Nobell Resins Company, Azusa, Calif. The new unit will be operated as the company's Pacific southern division under the supervision of M. W. Reece, vice-president in charge of west coast operations.

At the same time, J. H. Zeller and Sten Severin, both veterans with the Reichhold organization, have been transferred to the Azusa plant to assume the duties of plant manager and plant engineer, respectively. Sales will be handled by W. A. Gerhardt, Los Angeles district manager, assisted by R. H. Melinat and R. E. Swisher of that city's sales office.

Canco Advances Craver To Divisional Sales Head

American Can Company, New York, has named D. B. Craver manager of sales for the firm's central division, succeeding M. P. Cortilet, who recently was elected vice-president in charge of the division. Mr. Craver, formerly assistant manager of sales, has been a Canco employee for more than twenty years.

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Philadelphia 6, Pa., 200-204 S. Front St.	LOmbard 3-6382	New Orleans 12, La., Cotton Exchange Bldg.	Raymond 7226
San Francisco 5, Cal., 917 Howard St.	SUtter 1-7507	Portland 9, Ore., 730 West Burnside St.	Beacon 1493
Charlotte, 1 N.C., 201-203 West First St.	CHarlotte 3-9221	Toronto, Canada, 137-145 Wellington St. W.	Elgin 6495

*Reg. U. S. Pat. Off.

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N H., September 28-30.

American Council of Commercial Laboratories, Cleveland hotel, Cleveland, June 22-23.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Leather Chemists Association, annual meeting, French Lick Springs hotel, French Lick Springs, Ind., May 31-June 2.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16.

American Pharmaceutical Manufacturers Association, annual meeting, Broadmoor hotel, Colorado Springs, Colo., May 29-31.

American Plant Food Council, Homestead hotel, Hot Springs, Va., June 29-July 2.

American Society for Testing Materials, Atlantic City, N. J., June 26-July 1.

American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.

American Spice Trade Association, Shawnee Inn, Shawnee-on-Delaware, Pa., May 21-24.

American Water Works Association, Convention Hall, Philadelphia, May 21-26.

Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27.

Canadian Gas Association, Manoir Richelieu hotel, Murray Bay, Quebec, June 19-24

Central Atlantic States Association of Food and Drug Officials, Chalfonte hotel, Atlantic City, N J., May 24-26.

Chemical Bureau Alumni Association of the War Production Board, Lexington hotel, New York, May 17.

Chemical Market Research Association, New York, June 8.

Chemical Specialties Manufacturers Association (formerly National Association of Insecticide and Disinfectant Manufacturers), Drake hotel, Chicago, June 12-13.

Drug, Chemical and Allied Trades Section, New York Board of Trade, "Ol' Timers' Nite," Astor hotel, New York, May 10; annual meeting, Shawnee Inn, Shawnee-on-Delaware Pa., September 21-23.

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.

Institute of Food Technologists, decennial conference, Edgewater Beach hotel, Chicago, May 21-25.

International Microchemical Congress, Graz, Austria, July 2-6.

Manufacturing Chemists Association, joint outing with Synthetic Organic Chemical Manufacturers Association, Monmouth hotel, Spring Lake, N. J., June 19-21.

National Association of Purchasing Agents, Cleveland, June 12-14.

National Association of Retail Druggists, Long Beach, Calif., October 15-21.

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19.

National Confectioners Association, Waldorf-Astoria hotel, New York, June 4-9.

National Cottonseed Products Association, Shamrock hotel, Houston, Tex., May 15-17.

National Fertilizer Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 12-15.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Safety Congress, Chicago, October 16-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 16-21

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Pennsylvania Grade Crude Oil Association, William Penn hotel, Pittsburgh, Pa., June 15-16.

Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., May 25-27.

Society of Cosmetic Chemists, Savoy Plaza hotel, New York, May 19.

Society of the Plastics Industry, plastics film, sheeting and coated fabrics division conference, Commodore hotel, New York May 25-26; annual meeting, New Ocean House, Swampscott, Mass., October 18-20.

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, joint outing with Manufacturing Chemists Association, Monmouth hotel, Springlake, N. J., June 19-21; Commodore hotel, New York, September 13; annual meeting, Commodore hotel, New York, December 13.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 16-18.

Pesticides Committee Formed

A departmental coordinating committee has been established by the Department of Agriculture to deal with the problem of insect and rodent-damaged grain. The action was taken after consultation with the fish and wildlife service of the Department of the Interior and the Food and Drug Administration.

Oils, Fats Consumption: March

Factory consumption of primary oils, fats, fatty acids, and related materials in March, 1950, totaled 1,393,575 pounds, according to the Bureau of the Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products other than salad oil	302,890,000
Paint and varnish	47,784,000
Processing (fat-splitting, winterizing, pressing, sulphonation, etc.)	303,737,000
Refining	437,427,000
Soap	169,879,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	Crude	Refined
Refining	[1]	
Soap	[1]	[1]
Other uses	[1]	[1]
Castor, crude—	No. 1	No. 3
Refining		
Fat-splitting	[1]	
Sulphonation	352,000	430,000
Soap	20,000	[1]
Paint and varnish	554,000	24,000
Linoleum and oilcloth	[1]	[1]
Chemicals	[1]	81,000
Lubricants and greases	11,000	15,000
Other uses	5,592,000	1,043,000
Castor, dehydrated—		
Soap		
Paint and varnish		2,908,000
Linoleum and oilcloth		[2]
Lubricants and greases		[2]
Other uses		316,000
Coconut—	Crude	Refined
Refining	25,833,000	
Deodorizing		4,243,000
Hydrogenation	[1]	1,833,000
Fat-splitting	1,485,000	
Sulphonation	87,000	[1]
Shortening		177,000
Other edible products	[1]	5,477,000
Chemicals	195,000	[1]
Soap	15,486,000	8,890,000
Paint and varnish	[1]	308,000
Other uses	[1]	[1]
Cod and codliver—		All grades
Sulphonation		223,000
Deodorizing		
Paint and varnish		
Other uses		1,568,000
Corn—	Crude	Refined
Refining	19,006,000	
Sulphonation		[1]
Deodorizing		1,610,000
Winterizing for salad oil		[1]
Shortening		[1]
Oleomargarin		38,000
Other edible uses	[1]	7,614,000
Soap	[1]	[1]
Paint and varnish	[1]	
Other uses	21,000	73,000
Cottonseed—	Crude	Refined
Refining	177,298,000	
Sulphonation		
Hydrogenation		75,127,000
Deodorizing		2,236,000
Winterizing for salad oil		53,385,000
Shortening		34,147,000
Oleomargarin		7,818,000
Other edible uses		1,269,000
Soap	[1]	
Paint and varnish		7,000
Other uses	[1]	161,000
Fish—	Menhaden	Sardine
Refining	[2]	[2]
Fat-splitting		[2]
Sulphonation	[2]	227,000
Soap	1,257,000	
Paint and varnish	283,000	812,000
Linoleum and oilcloth	97,000	202,000
Lubricants and greases	119,000	7,000
Other uses	550,000	400,000
Fish, other—	Crude	Refined
Refining	[1]	
Paint and varnish	15,000	491,000
Other uses	1,485,000	542,000
Fishliver, other than cod—		All grades
Sulphonation		7,000
Lubricants and greases		
Other uses		383,000
Linseed—	Raw	Refined
Refining	17,900,000	
Fat-splitting	[1]	[1]
Soap	[1]	[1]
Paint and varnish	9,695,000	10,561,000
Linoleum and oilcloth	5,367,000	1,124,000
Lubricants and greases	[1]	[1]
Other uses	5,464,000	3,068,000
Marine mammal—		All grades
Refining		
Sulphonation		180,000
Paint and varnish		[2]
Chemicals		[2]
Lubricants and greases		670,000
Other uses		39,000
Neatsfoot—		All grades
Refining		
Sulphonation		22,000
Soap	[2]	
Chemicals	[2]	
Lubricants and greases		20,000
Other uses		284,000
Oiticica—		All grades
Paint and varnish		409,000
Linoleum and oilcloth		
Other uses		234,000
Oleo—		All grades
Shortening		[2]
Oleomargarin		400,000
Other edible uses		[2]
Soap	[2]	
Lubricants and greases		[2]
Other uses		[2]
Olive—	Edible	Inedible
Edible uses	180,000	
Soap	[1]	[1]
Other uses	[1]	[1]
Palm—	Crude	Refined
Soap	[1]	[1]
Lubricants and greases	[1]	
Other uses	3,271,00	[1]
Palmkernel—	Crude	Refined
Soap		
Peanut—	Crude	Refined
Refining	[1]	
Sulphonation		139,000
Hydrogenation		582,000
Deodorizing		4,202,000
Winterizing for salad oil		
Shortening		363,000
Oleomargarin		[1]
Other edible uses	[1]	712,000
Soap		[1]
Other uses		251,000
Perilla—		All grades
Paint and varnish		
Rapeseed—		
Lubricants and greases		125,000
Sesame—		
All uses		49,000
Soybean—	Crude	Refined
Refining	153,606,000	
Fat-splitting	[1]	
Sulphonation	21,000	48,000
Hydrogenation	[1]	40,419,000
Deodorizing		4,524,000
Winterizing for salad oil		[1]
Shortening	[1]	60,606,000
Oleomargarin		[1]
Other edible uses	[1]	7,138,000
Soap	122,000	83,000
Paint and varnish	307,000	8,386,000
Chemicals	[1]	[1]
Lubricants and greases	25,000	20,000
Linoleum and oilcloth	89,000	3,771,000
Other uses	3,997,000	5,777,000
Tallow—	Pounds All grades	
Soap		
Lubricants and greases	563,000	
Other uses	[2]	
Tung—	All grades	
Paint and varnish	7,182,000	
Chemicals	[1]	
Lubricants and greases		
Linoleum and oilcloth	435,000	
Other uses	12,063,000	
Vegetable, not specified—	Pounds All grades	
Refining	17,107,000	
Fat-splitting	437,000	
Hydrogenation	4,549,000	
Sulphonation	87,000	
Winterizing for salad oil	9,775,000	
Shortening	122,000	
Oleomargarin	1,614,000	
Other edible uses	270,000	
Soap	5,248,000	
Paint and varnish	97,000	
Linoleum and oilcloth	26,000	
Chemicals	2,343,000	
Lubricants and greases	87,000	
Other uses	2,658,000	

Fats and Greases

	Pounds	
Grease and lard oil—		
Sulphonation	117,000	
Soap	[2]	
Lubricants and greases	1,499,000	
Other uses	697,000	
Grease, not specified—		
Refining		
Fat-splitting	4,294,000	
Winterizing and pressing		
Sulphonation	7,000	
Hydrogenation	971,000	
Pressing	5,431,000	
Soap	29,220,000	
Lubricants and greases	1,184,000	
Other uses	174,000	
Lard—	Rendered	Refined
Shortening	9,184,000	[1]
Oleomargarin	319,000	[2]
Hydrogenation	1,169,000	[2]
Other edible uses	186,000	250,000
Soap		
Lubricants and greases	[2]	40,000
Other uses	[2]	[2]
Stearin, animal—	Edible	Inedible
Shortening	1,255,000	
Oleomargarin	318.00	
Other edible uses	167,000	
Soap		97,000
Other uses	[2]	50,000
Stearin, vegetable—		
Shortening		5,908,000
Oleomargarin		694,000
Hydrogenation		3,351,000
Other edible uses		60,000
Other uses		
Tallow, edible—	Crude	Refined
Refining	[2]	[2]
Hydrogenation	[2]	[2]
Pressing	2,136,000	
Shortening	984,000	616,000
Other edible	185,000	[2]
Soap	474,000	
Lubricants and greases	[2]	[2]
Other uses	37,000	12,000
Tallow, inedible—	Crude	Refined
Refining	28,600,000	[2]
Fat-splitting	11,500,000	
Hydrogenation	695,000	[2]
Sulphonation	416,000	[2]
Soap	68,597,000	26,707,000
Lubricants and greases	1,510,000	[2]
Other uses	5,631,000	143,000

Fatty Acids and Acid Stocks

	Pounds
Animal fat and oil fatty acids, not specified—	
Winterizing and pressing	6,270,000
Soap	395,000
Lubricants and greases	446,000
Other uses	5,330 000
Animal oil foots (100 percent basis)—	
Soap	1,739,000
Other uses	
Fatty acid stocks, not specified—	
Refining	[2]
Fat-splitting	
Sulphonation	[2]
Soap	62,000
Paint and varnish	
Linoleum and oilcloth	12,000
Lubricants and greases	57,000
Other uses	
Fish and marine mammal oil fatty acids—	
Sulphonation	43,000
Paint and varnish	99,000
Lubricants and greases	
Other uses	122,000
Fish and marine mammal oil foots (100 percent basis)—	
All uses	[2]
Olive oil foots (including sulphur oil)—	
Soap	[1]
Red oil—	
Sulphonation	234,000
Soap	1,956,000
Paint and varnish	20,000
Chemicals	533,000
Lubricants and greases	215,000
Other uses	1,710,000
Stearic acid—	
Sulphonation	13,000
Soap	261,000
Paint and varnish	36,000
Lubricants and greases	288,000
Chemicals	500,000
Other uses	3,089,000
Vegetable oil fatty acids—	
Sulphonation	
Hydrogenation	[2]
Soap	2,539,000
Paint and varnish	813,000
Lubricants and greases	35,000
Chemicals	595,000
Other uses	6,931,000
Vegetable oil foots (100 percent basis)—	
Fat-splitting	11,922,000
Soap	4,336,000
Paint and varnish	47,000
Other uses	[2]

Unclassified

Materials not shown separately—	
Refining	5,234,000
Fat-splitting	1,966,000
Hydrogenation	5,572 000
Sulphonation	357,000
Pressing	3,322,000
Shortening	3,194,000
Oleomargarin	857,000
Soap	1,208,000
Paint and varnish	447,000
Linoleum and oilcloth	581,000
Chemicals	2,403,000
Lubricants and greases	693,000
Other uses	11,468,000

[1] Included in "Vegetable oils, not specified," including small quantities for items for which data are not reliable.
[2] Included in "Materials not shown separately," including small quantities for items for which data are not reliable.
[3] Not shown to avoid disclosure of individual operations.

AIC Reviews Growth Of Chemical Industry

Comprehensive reviews of the growth of the many branches of the chemical industry, coupled with predictions of what is to be expected in the next fifty years featured the twenty-seventh annual meeting of the American Institute of Chemists, held at the New Yorker hotel, New York, May 11 and 12.

A highlight was presentation of the AIC medal to Dr. Walter J. Murphy, editor of American Chemical Society publications, at a banquet which closed the annual meeting on Friday night.

Dr. Lauren B. Hitchcock, president of National Dairy Research Laboratories, Oakdale, Long Island, declared that in the next fifty years there will be great expansion in nutritional research, followed by technological advances applying the results to benefit mankind. Nutritional deficiencies due to soil depletion will be more fully identified, he said, then corrected; the role of nutrition in medicine will become much more widely understood and utilized, with nutrition of the aged in the foreground, and improvements in food technology will include sterilization without heat, yielding products improved in nutritional value, color and flavor.

Fuor groups of chemicals—antibiotics, vitamins, the histamine antagonists, and hormones—were characterized as the drugs for which "science can predict a decisive role in the health and future of mankind," by John E. McKeen, president of Charles Pfizer & Co., in a report on the future of antibiotics.

In reviewing the development of antibiotics, Mr. Keen pointed out that while it has been only nine years since the first patient received the first treatment with penicillin, today "antibiotics can be used with fair to excellent results in 30-to-50 percent of the cases requiring the attention of the physician."

Alkalies Held Basis of Industry

Dr. George F. Rugar, manager of product development for Diamond Alkali Company, told the assemblage that alkalies and other heavy chemicals form the foundation on which the whole chemical industry rests. During the past three decades, he said, advances in the heavy chemical industry have been due to intensive research and the "future can be

—Continued on page 72

APMA Sets Program For May 29-31 Meeting

American Pharmaceutical Manufacturers Association has set the program for its forty-third annual meeting on May 29 to 31 at the Broadmoor hotel, Colorado Springs, Colo.

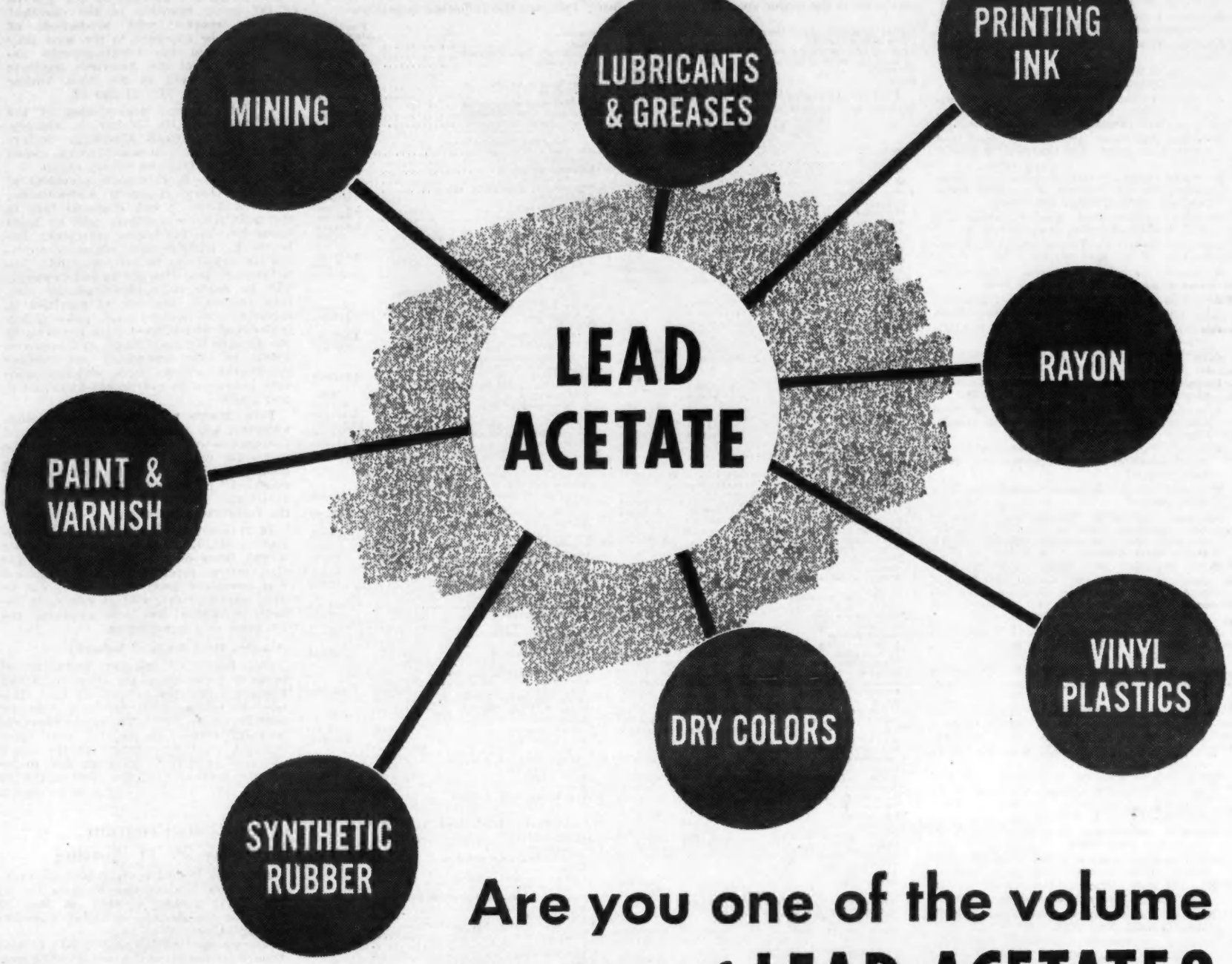
The opening session on May 29 will hear reports by the memorial and standing committees, a report by the treasurer, and addresses by Dr. Theodore G. Klumpp, association president and president of Winthrop-Stearns, Inc., New York, and Charles W. Dunn, APMA general counsel. Dr. Klumpp will introduce Dr. J. O'Neill Closs, first executive secretary of the association, who will talk on the organization and operation of APMA.

Preliminary rounds of the association's annual tennis tournament will be held on the afternoon of May 29. Finals will be held the following afternoon. The tournament, which will consist of play in men's doubles and a similar contest in mixed doubles, will be held at the Broadmoor tennis club.

W. H. P. Blandy, president of the Health Information Foundation, will lead off the May 30 proceedings with an address entitled, "A Positive Approach to National Health." He will be followed by Dr. Robert T. Stormont, secretary of the council on pharmacy and chemistry of the American Medical Association, whose talk will be, "Rational Therapeutics."

At this session, the 1950 APMA research award will be presented to Dr. Edward C. Kendall, professor of physiologic chemistry, May Foundation, Rochester, Minn., for his research and discoveries in the hormone field. Dr. Martin Lasersohn, chairman of APMA research board, and vice-president of Winthrop-Stearns, will make the introductory statement and presentation. In his acceptance speech, Dr. Kendall will talk on "Cortisone."

Featuring the final session on May 31 will be three addresses. Sir Arthur Mortimer, of Surrey, England, will speak on "Trends of the Pharmaceutical Industry in Great Britain." Dr. Lloyd C. Miller, of New York, will take as his subject, "What Is New in USP XIV?" Paul de Haen, Ames Company, Elkhart, Ind., will have as his topic, "Manufacturers Price Lists—The Pharmacist's Dilemma."



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Current Market Quotations

Chemicals and Related Materials

May 12, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).			
Acenaphthene, m p below 92.5 C., dms., works	lb	40	—
above 92.5 C, dms., works	lb.	.50	—
Acetaldehyde, 99%, dms., c.l., frt. equald	lb.	.11½	—
l.c.l., frt. equald	lb.	.12	.12½
tanks, frt. equald	lb.	.09½	—
Acetaldol (see Aldol).			
Acetamide, tech., fib., dms	lb	.45	—
Acetanilide tech. bbls., c.l., dlvd. or frt. equald	lb.	.22	—
l.c.l., ton lots	lb.	.23	—
smaller lots	lb.	.26	—
USP, bbls., 2,000-lb. lots	lb	.50	—
smaller lots	lb	.56	—
Acetic anhydride dms., c.l., frt. alld. E	lb.	.13	—
l.c.l., frt alld. E	lb.	.14½	—
tanks, frt. alld. E	lb.	.11½	—
Acetoacetanilide, bbls., dlvd	lb.	.67½	—
fib. dms., c.l., dlvd	lb.	.66½	—
l.c.l., dlvd	lb.	.67½	—
Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more	lb	1.50	—
smaller lots, same basis	lb	1.75	—
Acetoacetorthochloranilide bbls., dlvd	lb.	1.15	—
fib. dms., c.l., dlvd	lb.	1.14	—
l.c.l., dlvd	lb.	1.15	—
Acetoacetorthotolnidide, bbls., dlvd	lb.	.72½	—
fib. dms., c.l., dlvd	lb.	.71	—
l.c.l., dlvd	lb.	.72	.73
Acetone, CP, dms., c.l., dlvd	lb.	.09	—
l.c.l., dlvd	lb.	.09½	.10
tanks, dlvd	lb.	.07½	—
Methyl (see M).			
Acetonitrile, dms., c.l., works	lb.	.43	—
l.c.l., works	lb.	.45	—
Acetophenetidin USP, bbls., works, frt. equald	lb.	1.10	1.33
Acetophenone cns. dlvd	lb	1.30	1.35
tech., l.c.l., dms., works	lb.	.75	—
Acetoacetoparaphenetidide, dms., 500 lbs or more, works	lb.	1.65	—
smaller lots same basis	lb	1.90	—
Acetyltributyl citrate, dms	lb.	.43	.45
smaller pkgs	lb	.48	.54
Acetyltriethyl citrate, dms	lb.	.36	.38
smaller pkgs	lb.	.41	.47
Acid, abietic, com'l, dms., c.l., works	lb.	.10	—
l.c.l., works	lb.	.1145	—
cryst., dms., c.l., works	lb.	.05½	—
l.c.l., works	lb.	.06	.06½
Acetic, com'l or redist., 28%, bbls	100 lbs.	4.00	—
56%, bbls	100 lbs.	7.00	—
70%, bbls	100 lbs.	8.40	—
80%, bbls	100 lbs	9.40	—
glacial, synthetic, CP, dms., works	100 lbs.	15.00	—
cbys., works	100 lbs.	18.00	22.00
USP, cbys., works	100 lbs.	13.50	17.50
tech., dms., c.l., works	100 lbs.	9.00	9.50
l.c.l., works	100 lbs.	9.50	10 00
tanks, works	100 lbs.	7.50	—

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).			
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots	lb.	.55	—
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls same basis.	lb.	.50	—

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs 1 shipt, dms.	lb.	.42	—
smaller lots, dms	lb.	.49½	.54½
Adipic, fib. dms., works	lb.	.26½	—
Aminoacetic NF bbls., frt. adjusted	lb.	1.50	1.75
Anthranilic, resub., bbls	lb.	2.10	—
tech., bbls.	lb.	1.10	—
Arsenous, tech. (see Arsenic, white)			
USP (see Arsenic trioxide).			
Ascorbic, USP, dms., 500-kilo lots	kilo.	24.50	—
25-50 kilo lots	kilo.	25.00	—
10-kilo lots	kilo.	25.35	—
5-kilo lots	kilo.	25.70	—
bots., kilo lots	kilo.	26.41	—
500 grams	kilo.	27.47	—
Battery, cbys., c.l., E. works,	100 lbs.	1.60	1.75
l.c.l., E. works	100 lbs.	2.15	2.32
Benzoic, tech., bbls., dms., 100 lbs. or more	lb	43	—
USP, bbls., dms., 100 lbs up	lb.	.54	—
Betahydroxynaphthoic bbls., works	lb	1.25	—
Boric, tech., 99½%, cryst., bgs., c.l., works	ton.	115.25	—
ton lots ex whse, N. Y. or Chi	ton.	160.00	—
less ton lots same basis.	ton.	165.00	—
bbls., c.l., works	ton.	135.25	—
ton lots ex whse., N. Y. or Chi	ton.	180.00	—
less ton lots same basis.	ton.	185.00	—
bulk, c.l., works	ton.	111.75	—
gran., bgs., c.l., works	ton.	90.25	—
ton lots ex whse., N. Y. or Chi	ton.	135.00	—
less ton lots same basis.	ton.	140.00	—
bbls, c.l., works	ton.	110.25	—
ton lots, ex whse., N. Y. or Chi	ton.	185.00	—
less ton lots, same basis.	ton.	190.00	—
Acid, boric, tech., 99½%, gran., bulk, c.l., works	ton.	86.75	—
powd., bgs., c.l., works	ton.	95.25	—
ton lots, ex whse., N. Y. or Chi	ton.	140.00	—
less ton lots, same basis	ton.	145.00	—
bbls., c.l., works	ton.	115.25	—
ton lots, ex whse., N. Y. or Chi	ton.	160.00	—
less ton lots, same basis.	ton.	165.00	—
bulk, c.l., works	ton.	91.75	—
USP $25 per ton higher.			
Broener's, bbls	lb.	1.34	—
Butyric, 99%, dms., c.l., works	lb.	.34½	—
l.c.l., works	lb.	.35	—
tankcars, works	lb.	.33	—
Cacodylic, bots.	lb.	10.00	11.00
Camphoric, natural, dms	lb.	5.00	5.65
synth., dms	lb.	4.00	4.75
Capric, tech., dms	lb.	.40½	—
Caprylic, dms	lb.	.40½	—
Castor oil, split, dms	lb.	.27	.27½
Chlorosulphonic dms., c.l., works	lb.	.03¾	—
l.c.l., works	lb.	.03¾	—
tanks, works	lb.	.02¾	—
Chromic, 99½-99¾% dms., c.l. works	lb.	.25½	—
l.c.l., works	lb	.26	.27
USP (see Chromium trioxide).			
Cinnamic, refd., bots	lb.	2.50	4.00
Citric, anhyd., gran., fine gran., dms., c.l.	lb.	.26½	—
10,000 lbs., 1 ship't	lb.	.27	—
smaller lots	lb.	.28½	—
kgs.	lb.	.29½	—
gran., fine gran., dms., c.l.	lb.	.24½	—
10,000 lbs., 1 ship't	lb.	.25	—
smaller lots	lb.	.27½	—
kgs.	lb.	.30½	—
Anhydrous citric acid powder ½c. per lb higher			
USP cryst., dms., c.l.	lb.	.27½	—
10,000 lbs., 1 ship't	lb.	.26	—
smaller lots	lb.	.28½	—
kgs.	lb.	.29½	—
USP citric acid powder ½c. per lb. higher.			
Cleve's, mixed, bbls	lb	.65	.66
Coconut oil, dist., dms	lb.	.24	.25½
double dist., dms	lb.	.26	.27½
Corn oil, s.d., dms	lb.	.10½	.11
Cottonseed oil, dist., dms	lb.	.10¼	.11½
Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald	gal.	.81	.98
l.c.l., non-ret. dms., same basis	gal.	.84	.90
ret. dms., c.l., same basis	gal.	.78	—
l.c.l. same basis	gal.	.81	—
Acid, cresylic, dom., coaltar, 50% above 207°C, tanks, same basis	gal.	.79	.85
204° to 207° C, non-ret. dms., c.l., same basis	gal.	.96	.96
l.c.l., same basis	gal.	.90	.99
ret. dms., c.l., same basis	gal.	.83	—
l.c.l., same basis	gal.	.86	—
tanks, same basis	gal.	.75	.85
petroleum, 179 C to 198°C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.67½	—
l.c.l., same basis	gal.	.69½	.71½
tanks, same basis	gal.	.57	—
195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.53½	—
l.c.l., same basis	gal.	.57½	.59½
tanks, same basis	gal.	.45	—
200°C to 222°C, tanks, Wilmington, Cal	gal.	.40½	—
211°C to 236°C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.53½	—
l.c.l., same basis	gal.	.55½	.57½
tanks, same basis	gal.	.43	—
220°C to 242°C, tanks, Wilmington, Cal	gal.	.38½	.41½
237°C to 255°C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.51½	—
l.c.l., same basis	gal.	.53½	.55½
tanks, same basis	gal.	.41	—
245°C to 298°C tanks, Wilmington, Cal	gal.	.36½	—
295°C to 322°C tanks, Wilmington, Cal	gal.	.36½	—
imported, coaltar, 75% at 215°C or over, dms., c.i.f.	gal.	.52½	.57½
Crotonic, fib dms. works	lb	.29	—
Cyanoacetic, tech. bbls	lb.	.90	1.25
Desoxycholic	lb.	17.00	22 00
Dichlorophenoxyacetic, (see "D" 2, 4-D)			
Diethylbarbituric (see Barbital)			
Diglycolic, bgs., works	lb.	.14	—
Ethylhexoic, dms., c.l., works	lb.	.31	—
l.c.l. works	lb	.31½	—
tanks, works	lb	.29½	—
F, bbls., works	lb.	1.87	1.93
Folic, bots, fib, ctns, kilo or more	gram	2.00	—
Formic, 85%, cbys, c.l. works	lb.	.13	.13½
l.c.l., works	lb.	.13½	.14
90%, cbys., c.l., works	lb.	.13½	.14
l.c.l., works	lb	.14	.14½
Fumaric, tech., bbls., dms	lb	.30	.31
Gallic, NF VII, bbls., 1,000-lb. lots	lb.	1.60	—
smaller lots	lb.	1.63	1.63
technical, bbls., 1,000-lb. lots	lb.	1.43	—
smaller lots	lb.	1.46	1.48
Gamma, bbls	lb	1.20	—
Acid, gluconic, tech., 50%, bots	lb.	.23	.31
dms	lb.	.14	—
kgs.	lb.	.16	—
Glutamic, laevo, 99%, fiber dms., 100 lb lots, works	lb.	2.30	2.40
25 lb. lots	lb.	2.45	—
Glycerophosphoric, 35%, dms., works	lb.	2.15	2.25
Glycolic (see Acid, hydroxyacetic).			
H, 100% basis, bbls., works	lb.	.73½	—
Hydriodic, 45-47%, cbys	lb.	2.57	2.59
57%, cbys	lb.	2.66	—
Hydrobromic, medicinal, 48%, cbys., dlvd. E	lb.	.33	—
tech., 48%, cbys., dlvd E	lb.	.34	.36
34% cbys. dlvd E	lb.	.35	.37
Hydrochloric (see Acid, muriatic).			
Hydrocyanic, cyls., works	lb.	1.00	—
dilute, NF, 2%, 5-lb. bots	lb.	.37	—
Hydrofluoric, anhyd., cyls., works.	lb.	.19	.19½
tanks, works	lb.	.16½	—
30%, wood or rubber, dms., works	lb.	.08½	.09
70%, steel dms., works	lb.	.143	.148
Hydrofluosilicic, 30-35%, bbls	lb.	.08	.09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila	lb.	.084	—
tanks, Belle, W Va., 100% basis	lb.	.065	—
Hypophosphorus, purif., 50%, cbys.	lb	1.30	1.32
USP, cbys	lb.	.78	—
J, bbls., works, 100% basis	lb.	2.50	2.65
L, bbls., works	lb.	.95	—
Lactic edible, 50%, bbls., 20 or more	lb.	.16	.18
smaller lots	lb.	.17	.19
60%, bbls. 20 bbls. or more.	lb.	.285	.332
plastic grade, 50% bbls., 20 or more	lb.	.19¾	—
10 or less	lb.	.20¾	—
80%, bbls., 5 or less	lb.	.3495	.3544
tech., 22%, bbls., c.l., works	100 lbs.	5.80	—
l.c.l., works	100 lbs.	6.20	—
cbys., works	100 lbs.	6.70	—
44%, bbls., c.l., works	100 lbs.	10.95	—
l.c.l., bbls., works	100 lbs.	11.35	—
cbys., works	100 lbs.	11.85	—
NF, 85%, cbys	lb.	.69	.72
Laurent's, bbls	lb.	.67	—
Lauric, dist., 85-90%, dms	lb.	.23	.23½
60%, dms.	lb.	.25	.25½
Linseed oil, raw, dist., dms	lb.	.2150	.2210
water-waite, dms	lb.	.2450	.2510
Maleic, powd., dms	lb.	.30	.31
Anhydride (see M).			
Malic, dms	lb.	.45	—
Mandelic, NF, dms., 1,000-lb. lots	lb.	1.85	—
smaller lots	lb.	1.90	2.10
Methacrylic, dms., c.l., and truckloads, works	lb.	.76	—
less than truckload, works	lb.	.76½	.80
Mixed, tanks, nitric unit	lb.	.03	.06
sulphuric unit	lb.	.0065	.009
Molybdic, dms., 85%-82%, works	lb.	.83	—
Monochloroacetic, purified, flake, 99%, dms	lb.	.22½	23¼
tech., flake 96-97%, bbls	lb.	18	19
Muriatic, 18°, cbys., c.l., works	100 lbs.	1.65	2.15
l.c.l., works	100 lbs.	2.05	2.35
tanks, works	ton.	20.00	—
20°, cbys., c.l., works	100 lbs.	1.90	2.40
l.c.l., works	100 lbs.	2.30	2.50
tanks, works	ton.	22.00	—
22°, cbys., c.l., works	100 lbs.	2.40	2.65
l.c.l., works	100 lbs.	3.05	3.75
tanks, works	ton.	25.00	27.00
CP, USP, consumers, cbys., extra, c.l., frt. equald	lb.	.07¾	—
l.c.l., same basis	lb.	.09¼	.09¾
5 pint bottles extra, cs., c.l., frt. equald	lb.	.12¾	—
l.c.l., same basis	lb.	.14¼	.15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Myristic, dist., dms	lb.	.30½	—
Naphthenic 220-230 acidity, dms., works	lb.	.13	—
tanks, works	lb.	.11	—
230-240 acidity, dms., works	lb.	.22	—
tanks, works	lb.	.19	—

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol (1)-5-sulphonic (see Acid, L).
Naphthol(1)-5-sulphonic,2-amino (see Acid, H).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H)
Naphthol(2)-6,8-disulphonic (see Acid, Gamma)
(2)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-3-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms	lb.	.83	—
Nicotinic, USP, dms., frt adjusted	kilo.	8.00	8.30

Nicotinic amide (see Nicotinamide)

Nitric 36° cbys. c.l. E works	100 lbs.	5.00	—
l.c.l., E works	100 lbs.	5.40	6.10
38° cbys. c.l., E works	100 lbs.	5.50	—
l.c.l., E works	100 lbs.	5.90	6.60
40° cbys. c.l., E works	100 lbs.	6.00	6.50
l.c.l., E works	100 lbs.	6.40	7.10
42° cbys., c.l., E works	100 lbs.	6.50	7.00
l.c.l., E works	100 lbs.	6.90	7.60
CP, NF, consumers, cbys., extra, c.l., frt. equald	lb.	.11½	—
l.c.l., same basis	lb.	.13	.13½
5 pint bottles extra, cs., c.l., frt equald	lb.	.15½	—
l.c.l. same basis	lb.	.17	.18

Acid, muriatic, CP, USP, prices to dealers 1½c per pound less.

Octoic (see Acid, ethylhexoic)			
Oleic (see Oil, red)			
Oleum (see Acid, sulphuric, fuming)			
Orthocresotinic, dms. ton lots, works	lb	.62	—
smaller lots, works	lb.	.64	—

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral.
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
Be.	Baume	ferment.	fermentation	pkgs.	packages
bgs.	bags	ffa.	free fatty acid	powd.	powdered
bbls.	barrels	ffc.	free from chlorine	precip	precipitated
bls.	bales			prod.	producer
bots.	bottles	fib.	fiber	pt.	point
b.p.	boiling point	f.o.b.	free on board	pulv.	pulverized
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	purif.	purified
		frt.	freight	redist.	redistilled
b.r.	boiling range	fus.	fused	refd.	refined
bxs.	boxes	gal.	gallon	refy.	refinery
C	centigrade	gran.	granular	reg.	regular
cbys.	carboys	grd.	ground	resub.	resublimed
CD	completely denatured	I.&a.	iron and aluminum	ret.	returnable
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	SD	specially denatured
cks.	casks	imp.	imported	s.d	single distilled
c.l.	car lots	incl.	included	S E.	southeast
cns.	cans	indust	industrial	secs	seconds
col	color	kgs.	kegs	s.g	specific gravity
com'l	commercial	lacq.	lacquer	ship't	shipment
conc.	concentrated	lb.	pound	solut	solution
CP	chemically pure	l.c.l.	less than car lots	s.u	standard unit
cps.	centipoises	liq.	liquid	synth	synthetic
cryst.	crystal	m.a.p	mixed aniline point	tech.	technical
cs	cases	min.	minimum	USP	U S Pharmacopoeia
ctns.	cartons	m.p.	melting point	vis.	viscosity
cyls.	cylinders	N.	nitrogen	VM&P	varnish makers & painters
dbl.	double	nat.	natural	W	west
denat.	denatured			w.w	water white
dest.-dist.	destructive-distilled			whse	warehouse

A unit=ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

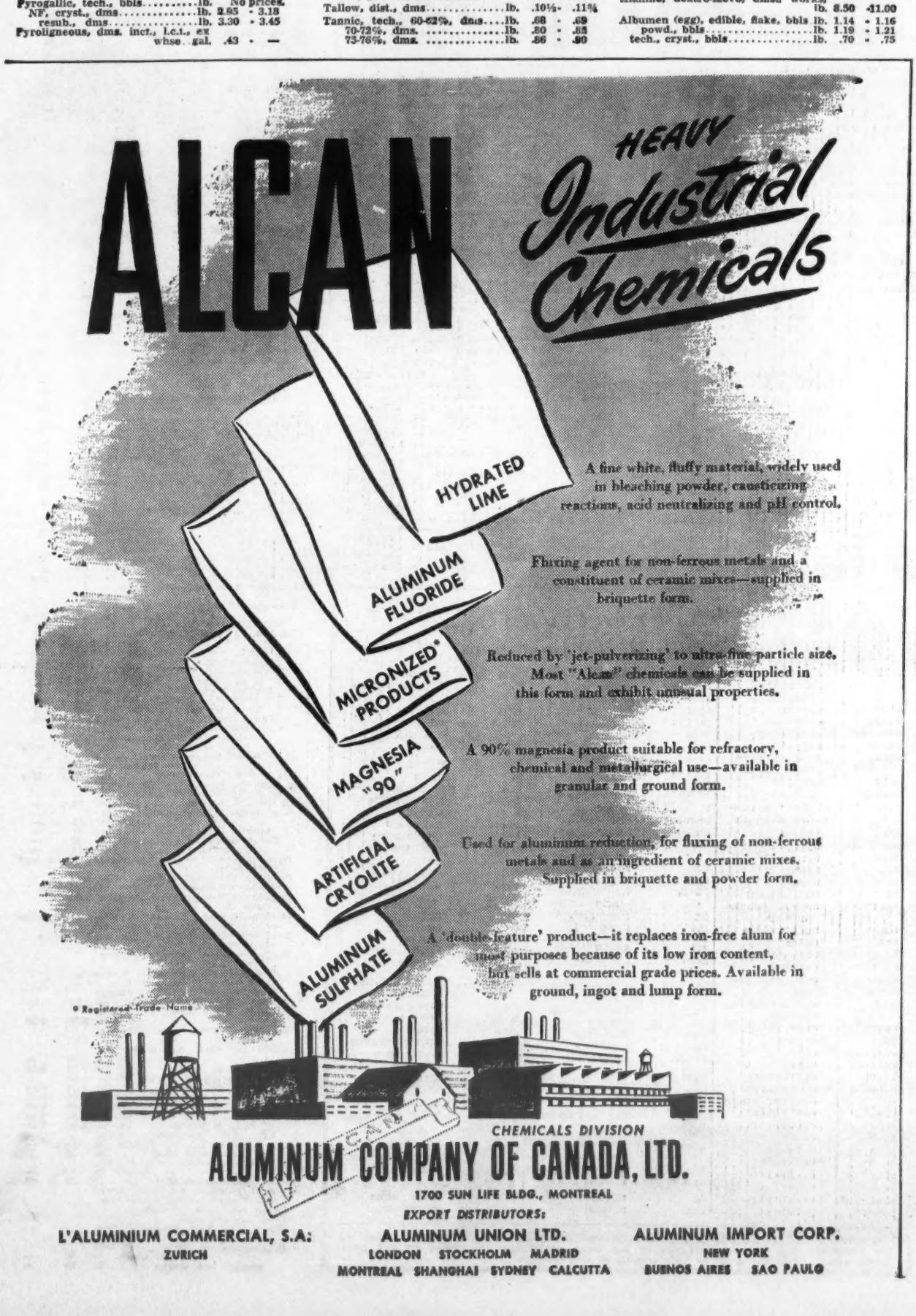
Acid, Oxalic—Alcohol, Propyl

Acid, oxalic, bbls., c.l., works..lb. .14½- —
10,000 lbs., works..lb. .14½- —
smaller lots, works..lb. .15¼- .15¼
Palm oil, white, dist., dms..lb. .21¼- .21¼
Para-aminobenzoic, purified, dms., 100 lbs. or more, works..lb. 3.75 - —
smaller lots, works..lb. 3.85 - 4.00
technical, dms..lb. 1.84 —
Para-aminosalicylic, dms., 1,000-lb. lots or more..lb. 5.50 - —
smaller lots..lb. 5.55 - 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic cns..lb. .87 —
Paratoluidinmetasulphonic, bbls., works..lb. .92 - —
Peanut oil, s.d., dms..lb. .12¾- .13¾
Perchloric, 60%, cbys., works..lb. .58 - .62
70-72%, cbys., works..lb. .61 - .66
Phenylacetic, bots..lb. 1.51 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
l.c.l., works, frt. alld, 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85%, cbys., c.l..lb. .10¼- —
For shipments in cbys., add handling charges.
Picramic, bgs..lb. .65 - .70
Picric, tech., bbls..lb. .32 - .33
NF, bbls..lb. .42 - —
Propionic, nat., dms., works..lb. .18 - —
tanks, works..lb. .17 - —
synth., pure, dms., works..lb. .21 - —
tanks, works..lb. .19 - —
Pyrogallic, tech., bbls..lb. No prices.
NF, cryst., dms..lb. 2.95 - 3.18
resub., dms..lb. 3.30 - 3.45
Pyroligneous, dms. incl., l.c.l., ex whse..gal. .43 - —

Acid, ricinoleate (see Acid, castor oil, split).
S, bbls., works..lb. 2.97 3.00
Salicylic, crude, bbls..lb. .28 - —
sublimed, tech., bbls., c.l..lb. .31 - —
l.c.l..lb. .38 - —
dyestuffs grade, bbls..lb. .32 - —
USP, cryst., bbls..lb. .40 - —
powder, bbls..lb. .45 - —
Sebacic, purified, dms., c.l., works, lb. .47 - —
l.c.l., works..lb. .49 - .53
Soybean oil, single dist., dms..lb. .13 - .14¼
double dist., dms..lb. .14 - .15¼
Stearic, double pressed, bgs..lb. .14 - .15¼
single-pressed, bgs..lb. .13 - .14¼
triple-pressed, bgs..lb. .16¼- .17½
Succinic, bbls., cryst., purified, works..lb. .75 - —
tech., bbls., works..lb. .65 - .75
Sulphanilic, tech., dms., c.l., works..lb. .15 - —
l.c.l., works..lb. .17 - —
Sulphuric, 60° Be, cbys., c.l., works, 100 lbs. 1.40 - —
l.c.l., works..100 lbs. 1.80 - 2.50
tanks, works..ton.14.40 -14.50
66° Be, cbys., c.l., works..100 lbs. 1.65 - —
l.c.l., works..100 lbs. 2.05 - 2.75
tanks, works..ton.17.75 -18.00
96%, tanks, works..ton.18.80 -19.00
CP, NF, consumers, cbys., extra, c.l., works, frt. equald..lb. .07¾- —
l.c.l., same basis..lb. .09¼- .09¾
6 pt. bottles extra, c.l., works, frt. equald..lb. .11¼- —
l.c.l., same basis..lb. .12¾- .13¾
fuming, 20%, tanks, works..ton.19.85 -20.00
Tallow, dist., dms..lb. .10½- .11¼
Tannic, tech., 60-62%, dms..lb. .68 - .69
70-72%, dms..lb. .80 - .83
73-76%, dms..lb. .86 - .90

Acid, tannic, fluffy, bbls., 1,000-lb. lots..lb. 1.45 - —
smaller lots..lb. 1.46 - 1.55
powder, bbls., 1,000-lb. lots..lb. 1.35 - —
smaller lots..lb. 1.36 - 1.50
Tartaric, USP, dom., 230, 250 lb. dms., 10,000 lbs., 1 ship't, lb. .31½- —
smaller lots..lb. .32 - —
100-lb. dms..lb. .33 - —
small, dms..lb. .35 - .37
imported, kgs..lb. .28 - .30
Thioglycolic, refined, bbls., cbys., basis 100%..lb. 1.60 - 1.80
tech., bbls., cbys., basis 100%..lb. 1.40 - —
Tobias, bbls..lb. .65 - —
Trichloroacetic, bots..lb. 2.00 - 2.50
Toluenesulphonic, dms., c.l., works..lb. .18½- —
l.c.l., works..lb. .20 - —
tanks, works..lb. .17 - —
Tungstic, tech., kgs., works..lb. 2.20 - 2.40
Aconite leaves, bls..lb. .55 - .60
Root, bls..lb. .60 - .70
Aconitine, amorph., mild, bots..oz.27.50 -32.50
cryst., potent, bots..oz.78.00 -85.00
Acrolein, dms., works..lb. .50 - —
Acrylonitrile, dms., c.l., works..lb. .40½- —
l.c.l., works..lb. .41 - .60
tanks, works..lb. .39 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls..lb. .30 - .40
Agar, USP, Kobe, No. 1 strip, bls, lb. 1.30 - —
powdered, 30 mesh, fib. dms..lb. 1.65 - —
Agaric, white, bls..lb. 1.60 - 1.75
Agrimony herb, bls..lb. .30 - .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls..lb. 1.14 - 1.16
powd., bbls..lb. 1.19 - 1.21
tech., cryst., bbls..lb. .70 - .75

Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l..lb. .67½- .72½
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd..lb. .31½- —
l.c.l., dlvd..lb. .32 - —
tanks, dlvd..lb. .30 - —
Amyl, ex pentane, dms., c.l., frt. alld, E. of Miss..lb. .16 - —
l.c.l., frt. alld, E. of Miss..lb. .17 - —
tanks, frt. alld, E. of Miss..lb. .15 - —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd..lb. .33½- —
l.c.l., dlvd..lb. .34½- —
tanks, dlvd..lb. .32 - —
128-132°C, dms., l.c.l., dlvd, lb. .38 - —
ACS grade, dms., l.c.l., dlvd..lb. .42 - —
Benzyl, dms..lb. .60 - .88
tech., dms., works, frt. equald, lb. .45 - .50
Butyl, fermentation, normal, flk., Ind. prod., dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld..lb. .14½- —
tanks, frt. alld..lb. .12 - —
tankwagon, frt. alld..lb. .12½- —
ether production, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld..lb. .14½- —
tanks, frt. alld..lb. .12 - —
synthetic, normal, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld..lb. .14½- —
tanks, frt. alld..lb. .12 - —
secondary, dms., c.l., frt. alld, lb. .10½- —
l.c.l., dlvd., frt. alld..lb. .11 - —
tanks, dlvd., frt. alld..lb. .09 - —
tertiary, dms., c.l., frt. alld, lb. .13½- —
l.c.l., frt. alld..lb. .14 - —
tanks, frt. alld..lb. .12 - —
Capryl, dms., c.l., works..lb. .26½- —
l.c.l., works..lb. .27½- —
tanks, works..lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 1.50 - —
smaller lots..lb. 1.55 - —
Cinnamic, bots..lb. 2.75 - 2.95
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R., gal. .47½- .48¼
l.c.l., dlvd. E. of Miss. R., gal. .51½- .57½
tanks, dlvd. E. of Miss. R..gal. .37½- .38¼
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd., E. of Miss. R..gal. .47 - —
l.c.l., same basis..gal. .51 - .56
tanks, same basis..gal. .37 - —
SD2B, dms., c.l., E. of Miss. R., gal. .46 - —
l.c.l., same basis..gal. .50 - .55
tanks, same basis..gal. .36 - —
SD3A, dms., c.l., E. of Miss. R, gal. .45½- —
l.c.l., same basis..gal. .49½- .54¼
tanks, same basis..gal. .35½- —
SD23A, dms., c.l., E. of Miss. R., gal. .48 - —
l.c.l., same basis..gal. .52 - .57
tanks, same basis..gal. .38 - —
SD23H, dms., c.l., E. of Miss. R., gal. .48 - —
l.c.l., same basis..gal. .52 - .57½
tanks, same basis..gal. .38 - —
SD27A, dms., c.l., E. of Miss. R., gal. .77½- —
l.c.l., same basis..gal. .81½- .86¼
tanks, same basis..gal. .67½- —
SD30, dms., c.l., E. of Miss. R., gal. .45½- —
l.c.l., same basis..gal. .49½- .54¼
tanks, same basis..gal. .35½- —
SD35A, dms., c.l., E. of Miss. R., gal. .48 - —
l.c.l., same basis..gal. .52 - .57
tanks, same basis..gal. .38 - —
SD40, dms., c.l., E. of Miss. R., gal. .46½- —
l.c.l., same basis..gal. .50½- —
tanks, same basis..gal. .36½- —
Proprietary solvent, dms., c.l., dlvd. E. Miss. R..gal. .48½- —
l.c.l., same basis..gal. .52½- .57¼
tanks, same basis..gal. .38½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd..lb. .13½- —
l.c.l., dlvd..lb. .14 - —
tanks, dlvd..lb. .12 - —
tech., dms., c.l., dlvd..lb. .13 - —
l.c.l., dlvd..lb. .13½- —
tanks, dlvd..lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R..gal.17.55 - —
l.c.l., same basis..gal.17.59 -17.64
tanks, same basis..gal.17.45 - —
tax free, dms., c.l., dlvd. E. Miss. R..gal. .45 - —
l.c.l., same basis..gal. .49 - .54
tanks, same basis..gal. .35 - —
absolute, 200 pf., tax paid, dms., c.l., same basis..gal.18.50 - —
l.c.l., same basis..gal. .18.54 -18.59
tanks, same basis..gal. 18.40 - —
Ethylhexyl, dms., c.l., works..lb. .30 - —
l.c.l., same basis..lb. .30½- —
tanks, same basis..lb. .28½- —
Furfuryl, tech., cns., works..lb. .30 - —
dms., c.l., works..lb. .21½- —
l.c.l., works..lb. .23 - —
tanks, works..lb. .18 - —
Isoamyl (see Alcohol, amyl refined, fermentation).
Isobutyl, dms., c.l., dlvd..lb. .13½- —
l.c.l., works..lb. .14½- —
tanks, dlvd..lb. .12 - —
Iso-octyl, dms., c.l., works..lb. .29¼- —
l.c.l., works..lb. .29¾- —
tanks, works..lb. .27¾- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd..gal. .42 - —
l.c.l., dlvd..gal. .45 - —
tanks, dlvd..gal. .32 - —
95%, dms. incl., c.l., dlvd..gal. .43½- —
l.c.l., dlvd..gal. .46½- —
tanks, dlvd..gal. .33½- —
99%, dms., incl., c.l., dlvd..gal. .45 - —
l.c.l., dlvd..gal. .48 - —
tanks, dlvd..gal. .35 - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots..lb. 2.15 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns..lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .68
Propyl, normal, dms., c.l., dlvd., lb. .09¼- —
works..lb. .08 - —
l.c.l., dlvd..lb. .10 - —
works..lb. .08¼- —
tanks, dlvd..lb. .08 - —
works..lb. .06¼- —


ALCAN
HEAVY
Industrial
Chemicals
HYDRATED LIME
ALUMINUM FLUORIDE
MICRONIZED* PRODUCTS
MAGNESIA "90"
ARTIFICIAL CRYOLITE
ALUMINUM SULPHATE
A fine white, fluffy material, widely used in bleaching powder, causticizing reactions, acid neutralizing and pH control.
Fluxing agent for non-ferrous metals and a constituent of ceramic mixes—supplied in briquette form.
Reduced by 'jet-pulverizing' to ultra-fine particle size. Most "Alcan" chemicals can be supplied in this form and exhibit unusual properties.
A 90% magnesia product suitable for refractory, chemical and metallurgical use—available in granular and ground form.
Used for aluminum reduction, for fluxing of non-ferrous metals and as an ingredient of ceramic mixes. Supplied in briquette and powder form.
A 'double-feature' product—it replaces iron-free alum for most purposes because of its low iron content, but sells at commercial grade prices. Available in ground, ingot and lump form.
* Registered Trade Name

CHEMICALS DIVISION
ALUMINUM COMPANY OF CANADA, LTD.
1700 SUN LIFE BLDG., MONTREAL

EXPORT DISTRIBUTORS:
L'ALUMINIUM COMMERCIAL, S.A.: ZURICH
ALUMINUM UNION LTD.: LONDON STOCKHOLM MADRID MONTREAL SHANGHAI SYDNEY CALCUTTA
ALUMINUM IMPORT CORP.: NEW YORK BUENOS AIRES SAO PAULO

Alcohol, salicyl (see Saligenin).			
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia.	lb.	.47	—
dms., c.l., Waverly, N. Y.	lb.	.40	—
l.c.l., same basis	lb.	.44	—
tanks, Niagara Falls, N. Y.	lb.	.36	—
Alol, 95%, dms., works	lb.	.15	.16
Denaturing grade, dms.	gal.	1.33	1.48
Betris root, bgs.	lb.	1.50	1.60
Bigin, bbls., fib. dms.	lb.	.76	1.20
Alizarin (see fled, alizarin)			
Alkanet root, bgs.	lb.	.35	.40
Allethrin, 100%, dms., 1 to 10 dm.-lots	lb.	45.00	—
smaller lots, works	lb.	50.00	55.00
Allolsolution, 20%, dms., 100 lb.-lots, works	lb.	9.00	—
10%, dms., works	gal.	37.75	—
2%, dms., works	gal.	7.75	—
Allspice, Jamaica (see Pimento).			
Almaguatemalan, bgs.	lb.	.19	.19½
Almyl bromide, cnys., 5,000 lbs., works	lb.	.89	—
smaller lots, works	lb.	1.05	1.10
Aloe Chloride, dms., c.l., divd	lb.	.16½	—
l.c.l., divd.	lb.	.17	—
tanks, divd.	lb.	.15	—
Aloe Starch, solid, dms., works	lb.	.58	—
solution, 40%, dms., works	gal.	.279	.297
50%, dms., works	lb.	.446	—
Aloe, Cape, ts	lb.	.21	.23
Aloe Curacao, kgs.	lb.	.35	.36
Aloe Socotrine, kgs	lb.	.35	.36
Aloin, USP, bbls., dms., kgs.	lb.	3.50	—
Alphacellulose, bgs., c.l., works	lb.	.04	.15
Alphanaphthol, bbls.	lb.	.70	—
Alphanaphthylamine, bbls.	lb.	.41	.42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld	lb.	2.00	2.40
Alphanitronaphthalene, bbls	lb.	.34	—
Alphapicoline, ret. dms., c.l., works, frt. equald.	lb.	.39½	—
l.c.l., works, frt. equald	lb.	.30	—
Alphapinene, tanks, South, works	gal.	No prices.	
Alphaterpineol, dms., l.c.l., divd. fc.	lb.	.17	—
Alphatocopherol, bots.	kilo.	350.00	—
Alphatocopherol Acetate, bots.	kilo.	350.00	—
Althea root, NF, peeled, bls	lb	.30	.40
Alum, ammonium, gran., bbls., works	100 lbs.	3.30	—
lump, bbls., works	100 lbs.	4.05	—
powd., bbls., works	100 lbs.	4.20	—
USP, burnt, bbls.	lb.	.20	.21
hydrous, bbls.	lb.	.07¾	.08
Alum, potassium, gran., bbls., works	100 lbs.	4.05	—
lump, bbls., works	100 lbs.	4.30	—
powd., bbls., works	100 lbs.	4.45	—
USP, hydrous, bbls.	lb.	.07¾	.08
Alum-chrome, dms.	lb.	.17	—
Alum-soda, bbls., c.l., works	100 lbs.	3.25	—
l.c.l., divd	100 lbs.	4.25	5.00
Alumina, calcined, bgs., c.l., works	lb.	.03½	.05
Alumina, crystalline (see Aluminum oxide)			
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works	lb.	.11	—
20%, bbls., l.c.l., works	lb.	.10	—
Aluminum Chloride, anhyd., com'l, dms., c.l., works	lb.	.10	.11
l.c.l., works	lb.	.10½	.12
cryst., com'l, dms., c.l., works	lb.	.0650	—
l.c.l., works	lb.	.0690	—
NF, gran., dms., works	lb.	.27	.28
solution, 32°, cbys., c.l., works	lb.	.03¼	—
l.c.l., works	lb.	.04	—
Aluminum Fluoride, tech., anhyd., bbls., c.l., works	lb.	.10	—
l.c.l., works	lb.	.11	.13
Aluminum Formate, basic solution, cbys., c.l.	lb.	.09½	—
l.c.l., works	lb.	.10	—
Aluminum Hydrate, heavy, bgs., c.l., frt. equald	ton	50.00	54.00
l.c.l., works	ton	72.00	86.00
light, bgs., divd	lb.	.17	—
Aluminum Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works	lb.	.21¼	—
contract, works	lb.	.20¼	—
9-9½% Al_2O_3, fib. dms., works	lb.	.18¼	—
contract, works	lb.	.17¼	—
dried, USP XII, fib. dms., works	lb.	.79½	—
contract, works	lb.	76½	—
Aluminum powder, tech. (see Aluminum hydrate).			
Aluminum Laurate, precip., bbls	lb.	.33½	—
Aluminum Linoleate, solid, dms., frt. alld	lb.	.39½	
Aluminum Metal, 98-99%, ingots, 10,000 lbs.	lb.	.17	—
pigs, 10,000 lbs.	lb.	.16	—
Aluminum Naphthenate, liquid, 1.7%, frt. alld	lb.	.24½	.25
Aluminum Oleate, dms. precip	lb.	.35¼	—
Aluminum Oxide, amorphous (see Alumina, calcined).			
crystalline, flour, classified, 8-240 mesh, dms., frt. alld	lb.	.14	.13
kgs., ton, frt. alld	lb.	.12½	—
smaller lots, frt. alld.	lb	.13	.15
280-400 mesh, dms., frt. alld	lb.	.32	.33
kgs., frt. alld	lb.	.31	—
500 mesh, dms., frt. alld.	lb.	.35	.37
kgs., frt. alld	lb.	.34	—
600 mesh, dms., frt. alld.	lb.	.51	.53
kgs. frt. alld	lb.	.50	—
optical, floated, kgs., divd	lb.	.36	.36
unclassified, dms., frt. alld.	lb.	.16	.17
kgs., frt. alld	lb	.15	—
high-purity, alpha or gamma, ultrafine, dms., works	lb.	13.50	—
jars, works	lb.	15.00	17.00
Aluminum oxide flour prices W of Denver ½c. per lb. higher			
Aluminum Paste, lining, extra fine, dms	lb.	.58	—
standard, dms	lb.	.39½	—
Aluminum Powder, lining, extra fine, dms.	lb.	.96	—
standard, dms	lb.	.64½	—
rubber comp., dms	lb.	.48½	—
unpolished, standard, dms	lb.	.44½	—
varnish standard, dms	lb	.49	—

Aluminum powder and paste prices are f.o.b shipping point. Add 1c. per lb. for 100-lb. drm., 1½c. per lb. for 50-lb. drm., 3c. per lb. for 10-lb can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Aluminum Resinate, precip., dms., frt. alld.	lb.	.24	—
Aluminum Stearate, dibasic, ctns., c.l.	lb.	.30	—
l.c.l.	lb.	.31	—
monobasic, ctns., c.l.	lb.	.30	—
l.c.l.	lb.	.31	—
tribasic, ctns., c.l.	lb.	.30	—
l.c.l.	lb	.31	—
Aluminum Sulphate, com'l, bgs., c.l., works, equald	100 lbs.	1.50	—
l.c.l., same basis	100 lbs.	1.90	—
iron-free, bgs., c.l., works, frt. equald	100 lbs.	2.75	—
l.c.l., works	100 lbs.	3.15	—
NF, gran., dms., works	lb.	.27	.28
powd., dms., works	lb	.32	.33
Aluminum Trihydrate, heavy (see Aluminum hydrate).			
Ambergris, gray, bots.	oz.	8.00	12.00
Aminoazotoluene, hbls.	lb.	1.03	—
Aminomethylpropanol, cns., dms., works	lb.	.65	.69
Aminoethylethanolamine, dms., c.l., works	lb.	.42	—
l.c.l., works	lb.	.42½	—
tanks, works	lb.	.40	—
Aminophylline, USP, 100-lb. dms	lb.	5.35	—
Aminopyrine, USP, bots., dms	lb.	6.00	6.15
Ammonia, anhydrous, fertilizer, tanks, works	ton.	74.00	75.00
pure, cyls., extra, zone 1	lb.	.17	.17½
2	lb.	.19	.19½
3	lb.	.21	.21½
4	lb.	.16	.19½
refrigeration, tanks, works	ton.	76.50	77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs.	3.10	—	
l.c.l., works 100 lbs.	3.50	—	
tanks, works, anhyd. basis	ton.	80.00	81.00
Ammoniac gum (see Gum ammoniac)			
Salt, gray, bgs., c.l., works, frt. equald 100 lbs.	6.53	—	
l.c.l., same basis 100 lbs.	6.95	—	
white, gran., ngs. c.l. works 100 lbs.	4.60	—	
l.c.l., works 100 lbs.	6.25	—	
Ammoniacal liquor, tankcars, works, anhyd. basis	ton.	75.00	80.00
Ammonium acetate, purified, dms	lb.	.39	.40
reagent, jars	lb.	.61	.63
Ammonium Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld	lb.	.80	—
smaller lots, frt. alld	lb.	.81	1.08
Ammonium Biborate, bbls., c.l., works	ton.	302.00	—
ton lots, works	ton.	355.50	—
less ton tots, works	ton.	360.50	—
Ammonium Bicarbonate, dms., works, c.l.	lb.	.05½	—
l.c.l., works, dms	lb.	.06	—
Ammonium Bichromate, bbls., works	lb.	.31	.36
Ammonium Bifluoride, dms., divd	lb.	.18	.18½
Ammonium Bromide, gran., NF, bbls.	lb.	.36	.37
dms.	lb.	.37	.40
powdered ammonia bromide 10c. per lb. higher.			
Ammonium carbonate, USP, lump, powd., dms	lb.	.18½	.22
Ammonium Chloride, tech (see Ammomac, sal)			
USP, gran., bbls., dms	lb.	.18	.19
Ammonium Citrate, dibasic, bbls	lb.	.73	—
dms.	lb	.80	.85
Ammonium Fluoride (see Bifluoride).			
Ammonium Hydroxide (see Ammonia aqua).			
Ammonium Hypophosphite, NF, dms.	lb	2.40	—
Ammonium Iodide, NF, tars	lb.	3.79	3.91
Ammonium Linoleate, plastic, 80%, dms., works	lb.	40½	—
kgs., works	lb.	42½	—
25%, dms., frt. alld.	lb.	.21½	—
tech., bbls., works	lb.	.37	—
dms., works	lb.	.39	—
Ammonium Molybdate, chemical grade, bbls., kgs	lb.	.85	—
metal grade, kgs	lb.	.90	—
tech. grade, bbls., kgs	lb.	.50	—
Ammonium Nitrate, fertilizer grade Canadian, 32.5% N, bgs., c.l., shipping point	ton.	57.50	—
dom., ogs. western works	ton.	58.00	—
Ammonium Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va	ton.	46.00	—
Ammonium Oleate, dms., precip	lb.	.23¼	—
Ammonium Oxalate, fine gran., dms.	lb.	.25	.31
Ammonium Pentaborate, gran., bbls., c.l., works	ton.	212.00	—
ton lots, works	ton.	265.50	—
less ton lots, works	ton.	270.50	—
Ammonium pentaborate powder, $10 per ton higher.			
Ammonium Perchlorate, kgs., works	lb.	.50	.75
Ammonium Persulphate, kgs	lb.	.25½	.28¼
Ammonium phosphate, com'l, bgs., c.l., works	lb.	.08	—
l.c.l., works	lb.	.08½	—
dibasic, NF V, bbls., dms.	lb.	.40	—
tech., bgs., c.l., works:	lb.	.08	—
l.c.l., works	lb.	.08½	—
Ammonium Salicylate, NF, dms., kgs	lb.	1.25	1.28
Ammonium Silicofluoride, dms., works	lb.	.12	.13
Ammonium Sulphamate, bbls., dms., works	lb.	.18	.20
Ammonium Sulphate, coke-oven, bulk, producing ovens	ton.	32.00	37.00
converters', bulk, works	ton.	45.00	Nom.
Ammonium Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works.	lb.	10½	—
l.c.l., works	lb.	15½	—
tanks, divd. or frt. alld	lb.	09	—
Ammonium Sulphocyanide, tech (see Ammonium thiocyanate)			
Ammonium Thiocyanate tech., bbls., c.l., works	lb.	.13	—
l.c.l., works	lb.	.16	.19
Amoglycollate, commercial, 100% basis	cbys	lb.	1.40	1.95
highly purified, same basis	lb.	1.70	2.25
Amosulphate, cryst., jars, works	lb.	.32	—
Amphetamine citrate, dextro, bots.	lb.	36.00	—
dextro-laevo, dms	lb.	6.50	—
Amphetamine hydrochloride, dextro, dibasic, bots	lb.	36.00	—
monobasic, bots	lb.	34.00	—
dextro-laevo, dms	lb.	6.50	—
Phosphate, dextro, dibasic, bots.	lb.	36.00	—
dextro-laevo, dibasic, dms.	lb.	6.50	—
monobasic, dms	lb.	6.00	—
Sulphate, dextro, dms.	lb.	36.00	—
dextro-laevo, dms	lb.	6.50	—

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- Manganese Octoate
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Amyl Acetate—Black, Carbon, Channel

Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd lb. .20½- —
tanks, dlvd lb. .18 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb 90 1.00
Nitrite, USP, bots lb 1.75 - 1.83
Salicylate, cns., dms lb 76 81
Anethol, NF, cns., dms lb. 1.00 - 1.25
Angelica root, dom., bls lb. 65 70
imported, bls lb. 70 - 75
Angostura bark, bls lb. 44 49
Aniline oil, dms., c.l., works, frt. alld lb. .15 - —
l.c.l., works, frt. alld lb. .16 - —
tanks, works, frt. alld lb. .14 - —
Salt, dms., works lb. .26 - —
Anise, Argentine, bgs lb No stocks.
Chinese, star lb. .15¾- 16
Czech, bgs. lb. .14½- .15
Cyprus, bgs lb 20 20¼
Mexican, bgs lb. .16¼- .16½
Syrian, bgs lb. .15 Nom.
Turkish, bgs lb. .14½- .15
Anisic aldehyde, bots., dms lb. 2.10 - 2.65
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5%, bbls lb 85 —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys lb 29 30
Metal, bulk, c.l., mines lb. .24½- —
cases lb. .25 - —
Oxide, bgs., c.l., frt. alld lb. .21¾- —
l.c.l., frt. alld lb. .22¾- —

Antimony salt, 65% bgs., c.l., dlvd. E. of Miss lb No stocks.
Sulphide, 62-64% bgs. frt. alld., dlvd lb. .20 23
Antimony potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb. 2.35 2.45
Apomorphine, USP, bots. oz. 23.20 -23.70
Archil extract, bbls lb No stocks.
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide NF bots. oz 5.00 5.75
Arginine hydrochloride, laevo, kilo. 70.00 -80.00
Argols, min. 50%, bgs., shipment ports per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. 45 75
root, bls lb. 1.45 —
Arrowroot, powd., bgs lb. .12 - .15
Arsenic, metal, lump, bbls., prompt shipt lb. .80 .90
Sulphide, yellow, nbls lb No stocks
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd lb. .05½ —
l.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb .32 35
powd., bbls., dms lb. .50 53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton. 940.00 -960.00
No. 2, c.l. (20 tons), mines ton. 485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton. 400.00 —
fiber, 3K, c.l. (20 tons), mines ton. 313.00 - —
3R, c.l. (20 tons), mines ton. 267.00 - —
3T, c.l. (20 tons), mines ton. 249.50 - —
3Z, c.l. (20 tons), mines ton. 231.00 - —
4K, c.l. (20 tons), mines ton. 124.50 - —
4M, c.l. (20 tons), mines ton. 124.00 - —
4T, c.l. (20 tons), mines ton. 111.50 -141.00

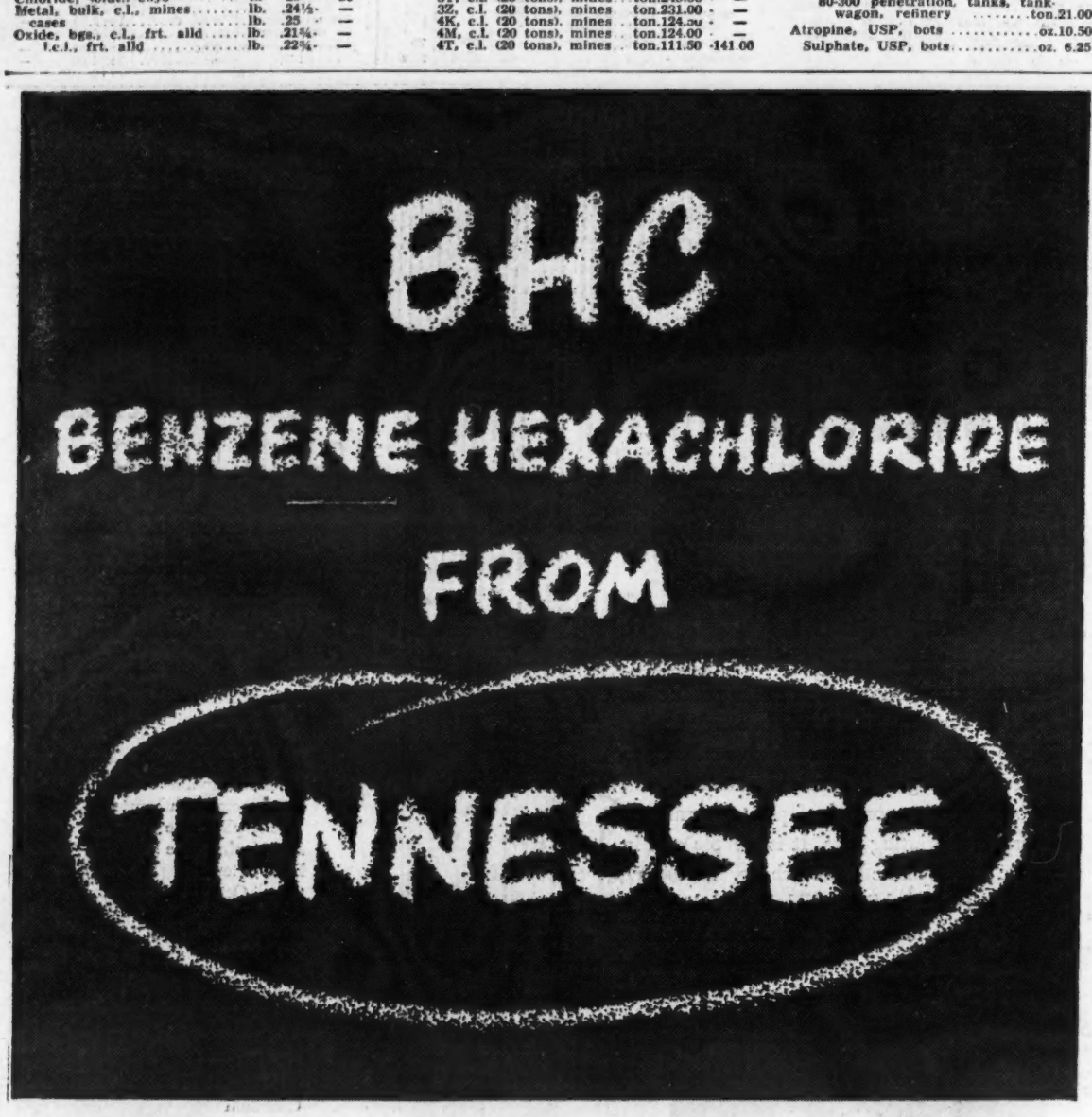
Asbestos, Canadian, fiber, 4Z, c.l. (20 tons), mines ton. 111.50 - —
5D, c.l. (20 tons), mines ton. 88.00 - —
5K, c.l. (20 tons), mines ton. 88.00 - —
5M, c.l. (20 tons), mines ton. 84.00 - —
5R, c.l. (20 tons), mines ton. 78.50 -79.00
6D, c.l. (30 tons), mines ton. 58.00 -59.00
7D, c.l. 30 tons), mines ton. 52.00 -52.50
7F, c.l. (30 tons), mines ton. 49.00 -49.50
7H, c.l. (30 tons), mines ton. 41.50 -42.00
7K, c.l. (30 tons), mines ton. 35.00 -35.50
7M, c.l. (30 tons), mines ton. 30.50 -31.00
7R, c.l. (30 tons), mines ton. 29.50 -30.00
7T, c.l. (30 tons), mines ton. 28.00 -28.50
7RF, c.l. (30 tons), mines ton. 30.50 -31.00
7TF, c.l. (30 tons), mines ton. 30.50 -31.00
8S, c.l. (30 tons), mines ton. 19.00 -27.00

Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.

Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo mines ton 36.50 - —
seconds, 300°-390° F fusing point, not uniform, bgs., Colo mines ton. 31.00 - —
jet, bgs., ton lots, gross weight, Colo mines ton. 36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¾- .12
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton. 22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton. 21.00 —
Atropine, USP, bots oz. 10.50 -11.50
Sulphate, USP, bots oz. 6.25 - 7.00

B

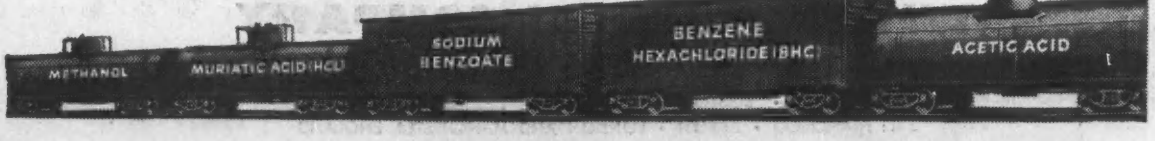
Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.65 - —
Balm of Gilead buds, dried, bgs lb 1.40 1.50
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .60 65
tree bark, bgs lb. .53 55
Barbital, USP, dms lb 4.50 —
Sodium, USP, dms lb 4.75 —
Barium carbonate, precip., bgs., 10 tons and up, works ton. 72.50 -80.00
smaller lots, works ton. 82.50 -90.00
Chlorate, kgs., works lb 25½ .31
Chloride, NF, cryst., dms lb 17 .18
tech., bgs., c.l., works, frt. equald. ton. 90.00 —
l.c.l., works ton. 100.00 - —
Chromate, bgs. frt. equald lb .11½- .12
Dioxide, dms., c.l., works lb 12 —
l.c.l., works lb 12 —
Hydrate, crystals, bgs lb 09 .09
Hydroxide, anhyd., bbls., works. lb. .19 - —
Iodide, bots. lb 5.12 —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb .11½- —
l.c.l., works lb. 13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works lb 11½ —
Peroxide (see Dioxide)
Stearate, ctns., c.l lb .34 —
smaller lots lb .35 .36
Sulphate, tech. (see Barytes and Blanc fixe)
X-ray, bbls lb 12½ .13
Sulphide, dms., c.l., works ton. 55.00 —
l.c.l., works ton 70.00 —
Barium-potassium chromate, dms., c.l., frt. alld lb .20 —
l.c.l., works lb .21 —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton. 35.05 —
l.c.l., same basis ton. 36.85 - —
ex whse., N. Y ton. 49.65 - —
Southern off-color, hgs., mines ton 19.00 - —
95.75% bgs. mines ton 20.00 —
Bay leaves (see Laurel leaves)
Belladonna leaf, bls lb. .60 - 1.10
Root, bls lb .50 .52
Bauxite bulk, mines ton 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton. 12.00 - —
Benzaldehyde NF, dms lb .68 - —
tech., cbys., dms lb. 45 - —
Benzal chloride, cbys., works lb 19 .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
12% gamma, tech., bgs., dms., c.l., works lb. .18 - .21
l.c.l., works lb. .20¼- .23
6% gamma, 50% dust, dry, distributors, dms., c.l., dlvd lb. .12 - —
l.c.l., dlvd lb. .13 - —
wet, distributors, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd lb. .16 - —
Benzidine base, bbls lb. 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md gal. .23 - —
Bethlehem, Pa., Birmingham, Ala., Chicago district, Cleveland district, Dangerfield, Tex., Johnstown, Pa., Minequa, Colo., Philadelphia, Pa.; Pittsburgh district, St. Louis, Mo.; Syracuse, N. Y., Terre Haute, Ind., Woodward, Ala., Wyandotte, Mich., Youngstown, Ohio gal. .22 - —
Benzophenone, dms lb. 1.30 - 1.40
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½ .21
l.c.l., same basis lb. .21½ .22
Peroxide, pure, fib. ctns., works. lb. .90 1.05
Benzyl acetate, t.f.c., dms lb 60 1.00
Alcohol (see Alcohol, benzyl)
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 .19½
l.c.l., same basis lb .20 .20½
high grade, 2c. higher.
Cinnamate, cns lb. 3.00 4.00
Formate, cns lb. 1.70 - 1.85
Propionate, bots lb. 1.35 - 1.50
Salicylate, bots lb. 1.55 2.25
Benzylidinacetone, bots lb. 1.85 2.70
Benzylisoeugenol, bots lb 8.90 9.00
Berberine, bisulphate, cns lb. 35.00 -36.25
Hydrochloride, bots lb. 35.00 -36.25
Sulphate, cns lb. 35.00 -36.25
Berberis root, bls lb. .35 .40
Betagammapicoline, dms., c.l., works. lb. .21 - .21½
l.c.l., works lb. .21½- .22
Betamethylnaphthalene, m.p., 32°C., dms., works lb. .90 —
Betanaphthol, resublimed, dms., works. lb. .75 —
tech., bbls., c.l., works lb. .26½- —
l.c.l., works lb. .30½- —
Benzoate, fib, dms., works lb. 1.70 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, cms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls lb .45 .50
Biotin, cryst. gram. 10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 1.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib. dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF, fib. dms lb. 2.75 - —
Subiodide, fib. dms lb. 4.92 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.82 - —
Black, acetylene, bgs., c.l., works lb. .13¾- —
cs., l.c.l., shipt. point lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd lb. .14¾- .22¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
l.c.l., dlvd. or whse lb. .117 - .117
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs., ctns., l.c.l., dlvd. or whse lb. .13¾- —



Grinders and formulators will recognize Tennessee's technical BHC as a quality product. BHC, with a high average gamma content, easily ground, can increase your plant capacity and save you money.

When you buy chemicals from Tennessee, you are served by the only company whose rigid production and quality control starts with basic materials and protects each order until it reaches your plant. This integrated production pays off because it assures a smooth flow of dependable supply. You get as much as you need, just as you need it when you order chemicals from Tennessee.

TENNESSEE PRODUCTS AND CHEMICAL Corporation
NASHVILLE, TENNESSEE



Black, carbon, furnace, fast extruding, bgs., c.l., works lb. .05½ - —
ctns. t.c.l. whse lb 09½ - —
high modulus, bgs., c.l., works, lb. .03 - —
ctns. t.c.l. whse lb. 09 - —
semi-reinforcing bgs., c.l., works lb 03½ - —
ctns. t.c.l. whse lb. 07½ - —
very fine, bgs., c.l., works lb 0740 - —
t.c.l., dlvd., or whse lb. .12 - —
Charcoal (see C).
Graphite (see G)
Iron oxide synthetic, bgs., c.l., works lb. 10¾ - —
t.c.l. works lb 11 - —
Lamp, bgs., c.l., works lb .07 - .30
Mineral, bgs., works lb 0160 - 0675
Black ash (see Barium sulphide)
Blackberry root, bls lb. .10 - .12
bark of root, bls lb 30 - 32
Black dyes (see Dyes)
Black haw, root bark, bls lb. .65 - .75
Tree bark, bls lb 28 - .30
Black indian hemp root, bls. lb 45 - .50
Blanc fixe dry by-product, bgs., c.l., works ton.80.00 - —
t.c.l., works ton.90 00 - —
direct process, bgs., c.l., works ton.85.00 - —
t.c.l. works ton.90.00 - —
N. Y whse ton.106.00 - —
bbls., c.l., works ton.90.00 - —
t.c.l., works ton.95.00 - —
N. Y whse. ton.113 00 - —
pulp, 66⅔% bbls. c.l., works, ton.67.00 - —
t.c.l., same basis ton 73 00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 - —
t.c.l., works 100 lbs. 5.00 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 6.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 6.25 - —
soluble, bgs., ex lb. .16 - .17½
t.c.l. lb. .17½ - .22
Bloodroot, bls. lb. .35 - .40
Blue, alkali, dry, bbls., dlvd. N. of Tenn and N.C., E of Miss. ft. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.05 - —
Celestial, bbls. same basis lb 15 - .16
Chinese, bbls., same basis lb. .37 - .42
Cobalt genuine bbls same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .37 - .42
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
tungstic lb. 4.00 - —
Potash CP, bbls. same basis lb. .31 - —
Prussian, bbls., same basis lb. .37 - .42
soluble, bbls., same basis lb. .37 - .42
Soda C.P bronze, bbls., same basis lb .30 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type dry bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb 3.75 - —
Tungstic, bbls lb 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb 45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .09 - .12
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 - 52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 - —
Chicago, works ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.60.00 - —
Chicago, works ton.62.50 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works, ton.62.50 - —
Chicago, works ton.62.50 - —
Phosphate, defluorinated (see D) precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls lb. .15 - .16
Borage flowers, bls lb. 40 - 45
Borax, tech. anhydrous, bgs., c.l., works ton.70.50 - —
ton lots ex whse N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton lots, ex whse, N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals, 99½%, bgs., c.l., works, ton.61.25 - —
ton lots, ex whse, N. Y. or Chi ton.106.00 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton lots, ex whse, N. Y. or Chi ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse, N. Y. or Chi ton.80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ton.55.25 - —
ton lots, ex whse, N. Y. or Chi ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works ton.31.25 - —
powdered, 99½%, bgs., c.l., works ton.40.25 - —
ton lots, ex whse, N. Y. or Chi ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
bbls., c.l., works ton.60.25 - —
ton lots, ex whse, N. Y. or Chi ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ton.50.25 - —
Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .13 - .21
t.c.l., same basis lb .16 - 23
Borneol, cns. lb. 2.25 - 2.50
Bornyl thiocyanoacetate (see isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic)
Brimstone (see Sulphur).
Bromine purified cs. c.l. frt. alld. E. of Rockies lb. 21 - —
1,000 lbs. same basis lb. 23 - —
single pkgs., same basis lb. 28 - —
dms., lead-lined, dlvd lb. .21 - —
Bromoform, pharmaceutical grade, bots lb. 1.52 - 2.50
cbys lb. 1 42 - —
Bromstyrol, bots lb. 5.35 - 5.40
Bronze powder, aluminum (see A)
Gold, litho., cans, dms. works lb. .50 - .60
moulding, cans dms., works lb. .90 - 1.00
printing ink, cans. dms., works lb. 95 - 1.10
radiator, cans, dms. works lb. 60 - .65
Broomtop, bls lb. 25 - .28
Brown iron synth. bgs. t.c.l., works lb. 12½ - —
Oxide, metallic, bgs., works lb. .03 - .03⅜
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .03¾ - .15¼
t.c.l., works lb. .04 - .15½
raw, paper bgs., c.l., works lb. .04 - .13
t.c.l., works lb. .04¼ - .13¼
Umber, burnt, American, c.l., bbls., works lb. .04¾ - .06½
t.c.l., bgs., works lb. .05 - .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .05¾ - .08¼
t.c.l., works lb. .08 - .08½

Brown, umber, raw, American, bgs., same basis lb. .03¾ - .06½
Turkey type, bgs., same basis, lb. .06 - .06¾
Vandyke, bbls., works lb. .11 - —
Brucine, cns., 100 ozs oz. .35 - —
Sulphate, NF, cns., 100 ozs oz. .30 - —
Bryonia root, bls lb. .29 - .35
Buchu leaves, bls lb. .60 - .65
Buckthorn bark, bls lb. .14 - 18
cut and sifted bls lb. .23 - 25
Berries, bgs lb. .80 - .90
Burdock root, bls lb. .20 - .26
Butadiene, cyls, refinery lb. .19 - —
tanks, same basis lb. .09½ - —
Butane, indust., tanks, group 3 gal. .03 - —
Butternut bark, bls lb. .22 - .25
Butyl acetate, fermentation, normal, dl., ind., prod., dms., c.l., works, frt. alld lb. .13½ - —
t.c.l. same basis lb. .14½ - —
tanks, same basis lb. .12 - —
tankwagons, same basis lb. 12½ - —
other production, dms., c.l., same basis lb. 13½ - —
t.c.l., same basis lb. .14½ - —
tanks, same basis lb. .12 - —
synthetic, normal, dms., c.l., same basis lb. .13½ - —
t.c.l., same basis lb. .14½ - —
tanks, same basis lb. .12 - —
secondary, dms. c.l., same basis lb. .11 - —
t.c.l. same basis lb. .11½ - —
tanks, same basis lb. 09½ - —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb 17½ - —
t.c.l., works lb. .18 - —
tanks, works lb 16 - —

Butyl, ether (see Ether, butyl).
Lactate, dms., c.l. frt. alld. E. of Rockies lb. .42½ - —
t.c.l., same basis lb. 43½ - —
tanks, same basis lb 41 - —
Laurate, dms., works lb 42 - —
Methacrylate, normal, dms., less than truckload, works lb. .60 - —
Oleate, refd. dms. t.c.l. works lb. 52 - —
Phenylacetate, dms lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Stearate, dms. c.l. frt. alld. E. of Rockies lb. .27 - —
t.c.l., same basis lb. .28½ - —
Butyric ether (see Ethyl butyrate)

C

Cacao butter (see Cocoa butter).
Cadmium bromide, reagent, jars lb. 2.64 - 2.68
Iodide, jars lb. 5.00 - 5.22
Cadmium lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd. lb 2.00 - —
patent shapes, cs., dlvd lb 2.15 - —
Selenide (see Red)
Stearate, 50-lb. ctns., t.c.l., f.o.b., N.Y., frt. equald. lb. 1.25 - —
Sulphide (see Yellow)
Caffeine, natural, USP, cryst. dms., 100 lbs or more lb. 4.75 - —
anhydrous, dms. 100 lbs. or more lb 5.00 - —
Synthetic, USP cryst., dms., 100 lbs or more lb 3.80 - —
anhydrous, dms 100 lbs or more lb 4.00 - —
Citrated USP dms. 100 lbs or more lb 2.60 - —
Hydrobromide bots lb 6.70 Nom.
Calabar beans, bgs. futures lb 65 - 68

Victor ammonium phosphates are used extensively by industry. Why not investigate the important properties of these chemicals which offer a wide variety of applications? You may effect a saving in your process or provide new advantages for your product.

Look over some of the regular uses listed below, and see which application or properties are interesting to you. We shall be glad to send you more information and samples at your request.

AMMONIUM PHOSPHATES
a group of
VERSATILE VICTOR CHEMICALS

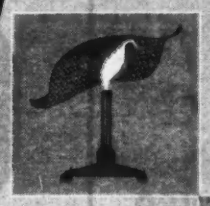
VICTOR MONOAMMONIUM PHOSPHATE
$NH_4H_2PO_4$
A brilliant white crystalline or powdered material.
All grades meet U. S. Pure Food Law requirements.
Grades: Crystalline, powdered, and powdered F. F. (free-flowing)
Typical Analysis:

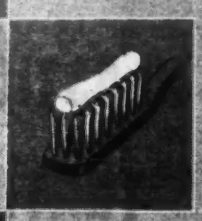
NH_3 (min.)	14.5%
P_2O_5	61.0%
pH (1% solution)	4.5

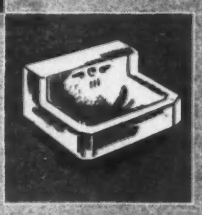
VICTOR DIAMMONIUM PHOSPHATE
$(NH_4)_2HPO_4$
A brilliant white crystalline material, mildly alkaline in reaction.
Meets all U. S. Pure Food Law requirements.
Grades: Crystalline, powdered F. F., and dentifrice.
Typical Analysis:

NH_3	25.3%
P_2O_5	53.5%
pH (1% solution)	8.0

USES OF VICTOR AMMONIUM PHOSPHATES


Flameproofing paper, wood, textiles, and vegetable fibers.
Chrome dyeing of wool.

Acid cleaners and rust-proofing metals.
Ammoniated dentifrices.


Manufacture of yeast, vinegar, yeast foods, bread improvers, alcohol.
Ingredient of glass and vitreous enamel.

Preventing afterglow in matches.
Plant nutrient solutions.
Catalyst for urea formaldehyde and melamine resins.

Write for Quotations, Technical Data, or Experimental Samples.

VICTOR CHEMICAL WORKS
141 WEST JACKSON BOULEVARD • CHICAGO 4, ILLINOIS
A. R. Maas Chemical Co., Division
4570 Ardine Street, South Gate, California

Calamine, USP—Cellulose Triacetate

Calamine, USP, dms ..... lb .27 .29
Calamus root, dom., bgs ..... lb .27 .30
imported, bleached, bls ..... lb .70 Nom.
peeled, bls ..... lb .30 .31
Calciferol, cryst., vials, 250 grams or more, works gram 1.90 - —
25 to 249 grams, works gram 2.10 - —
1 to 24 grams, works gram 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit .04¾- —
1,000 to 10,000 s.u. units, works unit .05¼- —
less than 1,000 s.u. units, works unit .05¾- —
Calcium acetate, bgs., dlvd 100 lbs 3.00 4.00
Arsenate dealers dms., c.l. whse works, frt. alld. on 96 lbs. or over lb .09½- —
t.c.l., same basis lb .10½- .11⅛
Bromide, NF, jars lb .75 .85
Carbide, standard generator size, dms., c.l. dlvd ton 121.00 —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb .26 - .30
flake 77-80%, paper bgs., c.l. works, frt equald ton 22.00 —
t.c.l., same basis ton 37.00 -67.00
liquor, works basis 40% tank-cars ton 9.00 —
pellets, bgs., c.l. works ton 29.00 —
solid, 73-75%, dms., c.l., works, same basis ton 20.00 - —
t.c.l. works, same basis ton 30.00 -59.00
USP gran bbls lb .30 —
Chromate, bgs., frt. equald lb .29½ .30
Calcium, cyanide, dms., dlvd. E. of Rockies lb .30 - .50
Gluconate, AA, bbls., dms ..... lb .65 - .72
USP, bbls., dms ..... lb .58 .65
Glycerophosphate, NF, fib. dms. lb 1.80 - 1.95
Hydride, dms., works lb .90 —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm 24.00 -28.50
cns., cased (45 lbs.) same basis cs 19.75 -21.50
Hypophosphite, ton lots and less, dms lb .80 - .83
Iodide, jars ..... lb 4.10 - 4.12
Lactate, USP, dms., 10,000 lbs. or more, works lb .37 - —
smaller quantities, works lb .38 - .44
Mandelate, USP, dms., works lb 2.10 2.25
Naphthenate, liq. 4% Ca, dms., frt. alld lb .23¾ —
Nitrate, tech., works lb .07 .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram .07½- —
Phenolsulphonate, dms ..... lb .64 .65
Phosphate, dibasic, USP bgs., c.l., 100 lbs 6.75 —
t.c.l 100 lbs 7.10 7.45
feed grade, bgs., 15 tons, wks. ton 105.00 - —
one ton or over, works ton 115.00 - —
less than one ton, works ton 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb .05¾- —
smaller lots, same basis lb .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 —
t.c.l., works ..... 100 lbs. 6.95 7.30
Phytate, bgs., works ..... lb .28 - —
Resinate, precip., dms., frt. alld., works lb .24 —
Calcium silicate, hydrated, bgs., c.l., works lb .05½- —
t.c.l., works ..... lb .06 - —
Stearate, precip., ctns., c.l., works. lb .32 - —
t.c.l., works ..... lb .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, ngs., c.l., works ton 45.00 - —
70%, bgs., c.l., works ..... ton 50.00 - —
luminous, tins, works ..... lb 1.25 —
Calcium-strontium sulphide, phosphorescent, dms., works lb 1.06 1.50
fine particle size, dms. works lb 1.50 1.75
Calendula flowers, bls ..... lb .45 - .60
Calomel, USP, fine powd. dms. lb 1.97 - 1.98
reg. powd., dms ..... lb 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb 2.75 2.85
natural, powd., 100-lb. lots ..... lb .45 - .55
tablets, 1-oz., ½-oz., cs ..... lb .85 - .93
synthetic, tech., bbls., 2,000 lbs. or more, whse lb .43 - —
10 bbls (1,500 lbs.) ..... lb .44¼- —
smaller lots ..... lb .45 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb .45 - —
1,000-lb. lots ..... lb .46 - —
smaller lots ..... lb .47 - —
USP, tablets, tins, 2,000-lb. lots lb .73 - —
1,000-lb. lots ..... lb .74 - —
smaller lots ..... lb .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls ..... lb 25 30
Cantharides, Chinese, cs ..... lb. 1.10 - 1.30
powd., bxs. ..... lb. 1.25 - 1.50
Russian, bgs ..... lb. 4.50 5.00
powd., bxs. ..... lb 5.75 6.00
Capsicum (see Pepper, red)
Oleoresin, NF, from domestic pepper lb. 4.00 - 5.25
from African pepper lb. 5.85 - 6.25
Caramel coloring, NF, bbls ..... gal. 1.05 - 1.20
Caraway seed, Dutch, bgs ..... lb. .13½- .14
Carbazole, 97%, steel drms., ton lots, works lb. 1.55 - —
bbls., same basis ..... lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., t.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E lb. .13 - —
t.c.l., same basis ..... lb. .13½- —
tanks, same basis ..... lb. .11½ —
Carbon bisulphide, 50-gal. drms., c.l., works, frt. alld. to competitive points lb. .06¼- —
t.c.l., same basis ..... lb. .07¼- —
5-gal. dms., c.l., same basis lb. .09½- —
t.c.l., same basis ..... lb. .08¾- —
tankcars, same basis ..... lb. .0440- —
Dioxide, cyls ..... lb. .06 .08
Tetrachloride, CP, dms., works. lb. .10¾- —
tech., dms., E. of Rockies, c.l., frt. alld lb .08 —
t.c.l., same basis ..... lb. .08¾- —
tankcars, same basis ..... lb. .07¼- —
dms., W. of Rockies, c.l., f.o.b. stock points lb. .08¾- —
t.c.l., frt. alld. ..... lb. .09¼- —
tankcars, same basis ..... lb. .08 - —
NF, cbys ..... lb .17 .19
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 4.25
smaller lots, works ..... lb. 4.10 4.75
Cardamom fruit, bleached, bold, cs. lb. 3.30 3.45
medium, cs ..... lb. 2.95 3.40
Coorges, cs. ..... lb. 2.20 2.25
decorticated, Alleppey, cs ..... lb. 3.45 3.50
Ceylon, cs. ..... lb. 3.30 3.35
Guatemala, cs ..... lb. 3.40 3.45
green, Alleppey, bgs., afloat ..... lb. 2.12 - 2.15
Ceylon, bgs ..... lb. 2.10 - 2.15
seed (See Cardamom fruit, decorticated)
Carmine No 40 NF bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd ..... lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg 5.00 —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities ..... gm. 5.00 - —
technical, 1,350,000 A units per gram gm. 67¼- —
tins, works ..... gm. .56 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb. 25.24 - —
50,000 A units per gram lb. 7.86 - —
26,000 A units per gram, tins, works milli. units. 22 - —
dms., works milli. units. 20 - —
3,330 A units per gram lb. 85 —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. 44 - —
Carvol, bots. ..... lb. 8.75 - 9.00
Cascara sagrada bark, bulk ..... lb. .27 .30
Case-hardening mixture, 30% gran., dms., l.c.l., works lb 10½ —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs. or more, ship't point lb. .23 - .24
premium, bgs., 10,000 lbs. or more, ship't point lb. .24 - .27½
rennet-precip., bgs., 10,000 lbs. or more, ex dock lb. .20¾- .22½
imp., acid-precip., ground, 100 bgs. or more, ex dock lb. .20½- .20¾
Cashew nut liq. treated, dms., c.l., f.o.b Newark, N. J. lb. .21 —
ton lots, same basis ... lb. .22¼- —
dm. lo's, same basis ... lb. 24¼ —
Cassia bark, Batavia, tongstick, bls., lb. .23 - .25
broken, bls. ..... lb. .15 - .16
short stick, bls ..... lb .23 .24
China, Canton, Kwangsi, rolls, select, cs lb. .12 - .12½
broken, bls ..... lb. .10½- .11
Honan, rolls, scraped, bls lb. .14 - .14½
broken, bls ..... lb. .13½- .14
unscraped, bls ..... lb. .13¾- .14¼
broken, bls ..... lb. .13½- .14
Yunnan, rolls, scraped, bls lb. .14 - .14½
broken, bls ..... lb. .13½- .14
unscraped, bls ..... lb. .13¾- .14¼
broken, bls ..... lb. .13½- .14
Saigon, broken, bls ..... lb. .25 - .26
medium, bls ..... lb. .34 - .35
thin, bls ..... lb. .41½- .42
Buds, China, bgs ..... lb. .55 - .55½
Cassia fistula, baskts ..... lb. .30 .35
Castor beans, bgs., Brazilian ports long ton. 125.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ... ton. 30.50 - —
Castoreum, natural, cns ..... lb. 7.00 -30.00
artificial, cns. ..... lb. 9.00 9.25
Catechol, CP, cryst, fib. dms., works lb. 2.00 - —
resublimed, dms., works ..... lb. 4.00 - —
Catnip, bls. ..... lb. .65 - .70
Celery seed, French, bgs ..... lb. .28½- .29
Indian, bgs ..... lb. .24 - .24½
afloat, bgs. ..... lb. .24 - .24½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt alld on 100 lbs. or more lb. .33 - .36
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
t.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 —
t.c.l., same basis lb. .49 .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 —
t.c.l., same basis lb. .44 .49
Acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs. works lb .53 —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works. lb. .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 .53
less than 500 lbs., works lb. .51 .54
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 —
less than 500 lbs., works. lb. .54 —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 .61
regular black, dms., l.c.l., same basis lb. .44 .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt allwd. on 100 lbs. or more lb. .40 —

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Cerium hydrate, dms., works	lb.	1.25	—
Oxalate, NF, bbls., bgs., works	lb	.70 -	.75
Oxide optical grade, bgs., under 100 lbs., works	lb	2.25	—
kgs., 100-lb lots, works	lb.	1.85	—
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works	lb	.02⅞-	.05⅛
l.c.l., ex whse	lb.	.04	—
paint, bgs., c.l., works	ton	40.00	—
papermakers, ngs., c.l., works	ton.	32.50	-40.00
rubber makers, bgs., c.l., works	ton.	30.00	—
Chamomile flowers, Hungarian, cs	lb.	.48	.55
Roman, bls.	lb.	.90	1.00
Charcoal, activated, USP, fib. dms., c.l., works	lb.	.25	.32
5-ton lots, works	lb.	.26½-	.32½
smaller lots, works	lb.	.27	.50
Bone, NF, bbls	lb.	.23	—
Hardwood, briquets, bulk, c.l., works	ton.	49.80	—
bgs., c.l., works	ton.	51.80	—
granular, bgs., incl. c.l., works	ton.	46.80	-59.00
lump, bulk, c.l., works	ton.	38.80	-43.50
ogs., extra returnable, c.l., works	ton.	41.80	-45.50
Pinewood, gran. powd., ogs., c.l., works, South	ton.	30.00	-40.00
l.c.l., works	ton.	40.00	-50.00
lump bgs., c.l., works, South	ton.	40.00	—
bgs., l.c.l., works, South	ton.	40.00	-50.00
bulk, c.l., works, South	ton.	30.00	—
Willow, powd., bbls	lb	.06	.07
Chestnut extract, 25% tannin, bbls., c.l., works	lb.	.0438-	—
l.c.l., works	lb.	.0465-	—
tanks, works	lb.	.0370-	—
powd., 60% tannin, bgs., extra, c.l., works	lb.	.0960-	—
l.c.l., works	lb.	.1115-	—
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works	ton.	12.50	13.00
l.c.l., works	ton.	13.50	14.00
bulk, c.l., works	ton	9.50	10.00
200 mesh, bgs., c.l., works	ton.	10.00	12.00
l.c.l., works	ton.	11.00	16.00
wet-grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works	ton.	13.00	—
paper bgs. c.l. works	ton.	16.00	—
imported, white lump, bulk, c.l., ex dock, Phila., Portland, Me	gross ton.	19.00	-40.00
powd. ogs. c.l., ex dock,	net ton.	35.00	-45.00
l.c.l., ex whse	net ton.	45.00	-60.00
Chloral, tech., 94% min., dms., l.c.l., works	lb.	.42	—
Hydrate, USP, jars	lb.	1.05	1.10
Chloramine T, NF bbls., works	lb.	.75	1.00
Chloroanisidin, dms., frt. equald	lb.	1.25	- —
Chlordane agricultural, dms., l.c.l. stock points	lb.	.82	1.05
refined, dms., stock points	lb.	.97	1.20
Chlorinated paraffin, dms., works	lb.	.12¼	.13½
Rubber standard, ctns., c.l., works	lb.	.42	—
l.c.l., works	lb	.43	—
Chlorine, liquid, cyls., c.l., works	lb.	.08	.12
l.c.l., stock points	lb.	.09	.16
tanks, single units, works, frt. equald 100 lbs.		2.40	—
multiple units, 3 cars, works, frt. equald 100-lbs.		2.90	—
2 cars, same basis 100 lbs.		3.50	—
1 car, same basis 100 lbs.		4.10	—
Chloroform, tech. dms. c.l., dlvd. E	lb.	.20	—
l.c.l., same basis	lb.	.22	—
tanks, same basis	lb.	.16	—
USP, dms.	lb.	.30	.33
Chloro(4)-2-Toluidine, bbls.	lb.	1.38	- —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots.	lb.	3.75	4.50
Chloropicrin, com'l, bots	lb	1.40	—
cyls., 180-lbs., frt. alld.	lb.	.91	—
100-lbs., same basis	lb.	.93	—
25-lbs., same basis	lb	1.18	—
Cholesterol, USP, fib. dms., 100-lb lots	lb	8.50	—
5-lb pkg.	lb	9.00	—
1-lb pkg.	lb	9.50	—
Choline bitartrate, fib. dms., frt. adjusted	lb.	2.45	- 2.70
Chloride, fib. dms., same basis	lb.	2.45	- 2.70
Dihydrogen citrate, fib. dms., same basis	lb.	2.45	- 2.70
Chromium acetate, powd., 72% Cr., bbls., works	lb	No stocks	
solut., 7½%, bbls., works	lb.	.08	- —
cbys.	lb.	.09¾-	—
8½%, bbls., works	lb.	.08½-	—
cbys.	lb.	.10¼-	—
Fluoride, bbls., works	lb.	.44½-	—
Green (see Green, chrome).			
Oxide (see Green, chromium oxide)			
Oleate, solid, bbls	lb.	.49	- —
Trioxide, USP, bots	lb.	.82	- —
Yellow (see Yellow, chrome).			
Chrysarobin, USP, bots	lb	7.65	9.24
Cinchona bark, NF, red, quill, 20-inch, cs	lb.	1.26	Nom.
broken, bgs	lb.	.40	- .45
yellow, broken, bgs	lb.	.32	- .35
Cinchonidine, cryst., cns., 100 ozs.	oz.	.71	- .72
Sulphate, cns., 100 ozs	oz.	.40½-	.55
Cinchonine, cryst., cns., 100 ozs.	oz.	.57	.65
Sulphate, NF, cns., 100 ozs	oz.	.30½-	.42
Cinchophen, NF, heavy density, dms., frt. adjusted	lb.	3.70	4.05
Standard density, dms., same basis	lb.	3.50	3.85
Cinchophen-sodium, dms., frt. adjusted	lb.	4.50	4.85
Cinnamic alcohol (see Alcohol, cinnamic)			
Aldehyde, cbys., cns., dms	lb.	.90	1.20
Cinnamon, Ceylon, No. 2, bls	lb.	.18	- .18½
Citral, bots., cns	lb.	5.50	- 5.75
Citronellal, bots., dms	lb	2.50	7.75
Citronellol, bots., dms	lb.	2.90	- 3.00
Civet, bots	oz.	4.00	5.00
artificial, bots	lb	15.00	—
Clove, Madagascar, bls	lb.	.24	- .24½
futures, bls.	lb.	No offers	
Zanzibar, bls.	lb.	.25	- .25½
afloat	lb.	.24½-	.25
Clover tops, red, dom., bgs	lb.	.55	Nom.
imported, bgs	lb.	No stocks	
CMC, purified, high vis., ctns., 20,000 lbs or over, works, frt. alld	lb.	.57	- —
smaller lots, same basis	lb.	.59	- .69
low and medium vis., ctns., 20,000 lbs or over, works, frt. alld	lb.	.54	- —
smaller lots, same basis	lb.	.56	- .66
tech., low and medium vis., dms., c.l., works, frt. alld	lb.	.41	- —
l.c.l., works	lb.	.43	- —
Coaltar, coal-gas, water-gas, crude, fusile, dms., c.l., ex-whse,	gal.	23⅛-	—
l.c.l., ex-whse	gal.	.25	- —
tanks, ex-whse	gal.	.13⅛-	—
refd., resale, bbls., c.l., ex-whse,	gal.	.24⅛-	—
l.c.l., ex-whse	gal.	.26	- —
tanks, ex-whse	gal.	.14⅛-	—

Cobalt acetate, bbls., dlvd	lb.	.93⅛-	—
Carbonate, powd., bgs., works	lb.	1.65	- —
feed grade, 49½% Co, kgs	lb.	1.65	- —
Chloride, kgs., works	lb.	.91¼-	—
feed grade, 24.5% Co, kgs	lb	.91¼-	—
Hydrate, bbls.	lb.	2.13	- —
feed grade, 62% Co, kgs	lb	2.13	—
Linoleate, paste, 6% Co, dms.	lb.	.57	—
solid, 8½%, Co dms	lb.	.66½-	—
8% Co, dms	lb.	.62½-	—
Metal, 97-99%, kgs., ex-whse.	lb.	1.80	—
under 100 lbs., ex whse	lb	1.82	1.87
Naphthenate, iq., 6% Co, dms.	lb.	.37¼	—
Nitrate feed grade, 20.4% Co, bbls	lb.	.78¾-	—
Oxide, black, kgs	lb	1.39	—
Phosphate feed grade, 34%, Co, kgs	lb.	1.31¼	—
Resinate, fused, 3% Co, dms	lb.	.22¾-	—
Sulphate, bgs.	lb.	.68¼-	—
feed grade, 21% Co, kgs	lb	1.05	—
Cobalt salts, prices are on dlvd. basis			
Cobalt-ammonium sulphate 14% Co, kgs	lb	.75	—
Cocaine, USP, cns., 100-oz	oz.	15.00	—
Hydrochloride, cns., 100-oz. lots.	oz.	11.75	—
Cochineal, gray, bgs	lb	.67	- .68
silver, Teneriffe, bgs.	lb.	.69	- .70
Cocillana bark, bgs	lb.	.16	.17
Cocoa butter, bgs.	lb.	.52	- .56
Codeine, NF, cns., 100 ozs	oz.	13.25	—
Hydrochloride, cns., 100 ozs	oz.	11.85	- —
Phosphate, USP, cns., 100 ozs	oz.	10.25	- —
Sulphate, USP, cns., 100 ozs	oz.	10.75	- —
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls	lb.	.20	- .25
Blue, root, bls	lb	.17	.19
Colchicine, USP, bots., cns	oz	79.00	-85.00
Colchicum root, bls	lb	.60	.70
Seed, bgs.	lb.	1.90	2.00
Collodion, USP, dms	lb.	.21	—
Flexible, USP, dms	lb.	.22½-	—

Colocynth, pulp, bls	lb.	.30	- .35
Colombo root, bls	lb.	.18	.23
Coltsfoot leaves, bgs	lb	.30	.35
Condurango bark, bgs	lb.	.20	- .22
Copaiba balsam, cns., dms	lb.	.64	- .82
Copper acetate, cupric, bbls., works	lb.	.28	—
smaller containers, works	lb	.29	.30
Carbonate, 55%, bgs., works	lb.	19.20	-20.20
Chloride, anhyd., bbls., works	lb.	.2-⅜-	—
crystals, bbls., works	lb.	.18¼-	.21½
Citrate, USP, 5-lb. bots	lb.	2.40	- —
Cyanide, tech., bbls	lb.	.46½-	—
Gluconate, dms., cns	lb.	3.00	- 3.24
Hydrate, dms., frt. alld. E. Miss	lb.	.25½-	.26
Metal, electrolytic, dlvd	lb.	.19½-	—
Naphthenate, liquid, 8% Cu, dms., frt. alld	lb.	.22¼	—
Nitrate, tech., cryst., bbls., works	lb.	.23½-	—
Oleate, liquid, 8.5% Cu, bbls	lb.	.27	- —
solid, 10% Cu, bbls	lb.	.39	- —
Oxide, black, bbls., works	lb.	.26⅞-	.33⅛
red, com'l, bbls., works	lb.	.28	- .34
Oxychloride-sulphate, bgs., frt. alld	lb	24¼	27¼
Quinolate, fib. dms.	lb.	3.50	- —
Resinate, precip., dms., frt. alld.	lb.	.23½-	—
Stearate, bgs., works	lb.	.39½-	—
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs.		7.35	- —
l.c.l.,	100 lbs.	7.60	- 8.35
CP, cryst., gran., dms., works	lb.	.13	- —
monohydrated, 35%, dms., c.l., works 100 lbs.		12.25	- —
tribasic, dealers, bgs., c.l., works, frt. alld	lb.	21.00	-22.50
l.c.l., works	lb.	22.50	-23.50
USP, gran., cryst., dms	lb.	.13	- .26

Copperas, cryst., gran., bgs., c.l., works	ton.	17.00	—
l.c.l., works	100 lbs.	1.55	- 2.00
bbls., c.l., works	ton.	20.00	- —
bulk, c.l., works	ton.	14.00	- —
Copra, c.i.f., Atlantic, Gulf ports	ton.	195.00	- —
Pacific ports	ton.	190.00	- —
Coriander seed, Argentine, bgs	lb.	.07	- .07⅛
Italian, bgs	lb.	.07	Nom.
Moroccan, bgs.	lb.	.10½-	.11
Corn sugar, tanners, crimped, paper bgs., c.l., 60,000 lbs. min.	100 lbs.	5.69	- —
bbls., c.l., same basis	100 lbs.	5.75	- —
Syrup, 42°, bbls., c.l.	100 lbs.	6.07	- —
l.c.l.	100 lbs.	6.22	- —
Cornsilk, bls	lb.	.15	.19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more	lb.	1.63	—
gran., powd. dms., 50 lbs. or more	lb.	1.53	—
Cottonroot bark, bls	lb.	.26	- .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton		1.75	—
Meal, 41% protein, bulk, Memphis	ton.	64.50	-65.00
Coumarin, cns., 25 lbs	lb	2.75	—
smaller lots	lb	2.80	2.90
powd., cans	lb.	3.00	3.05
Cramp bark, NF, bls	lb.	.80	Nom.
Cranesbill root, bls	lb.	.28	.30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship	lb.	.27½	—
smaller lots	lb.	.28	.29
imported, kgs.	lb.	.22	.24
Creosote, coaltar, crude, tanks, works, frt. equald	gal.	.14	.13
refined, dms., c.l., works	gal.	.36½-	.40
l.c.l., same basis	gal.	.37½-	.47
tanks, same basis	gal.	.23½-	—
solution, 60%, tanks, works	gal.	.168	—

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Creosote—Dimethylethanolamine

Creosote, NF, beechwood, bots., cbys. lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 - —
Pinewood, dms gal. .31 - .33
Carbonate, NF, bots., cbys lb. 2.35 - 2.40
Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald. lb. .1130- —
l.c.l., same basis lb. .1160- —
ret. dms., c.l., same basis. lb. .11 - —
l.c.l., same basis lb. .113 - —
tanks, same basis lb. .10 - —
USP, non-ret., dms., c.l., same basis lb. .1180- —
l.c.l., same basis lb. .1210- —
ret. dms., c.l., same basis lb. .115 - —
l.c.l., same basis lb. .118 - —
tanks, same basis lb. .1050- —
Crotonaldehyde, 91-93%, dms., c.l. works lb. .16½- —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 13.75 - —
bbls., l.c.l., works 100 lbs. 14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs lb. .35 - .45
powd., cs. lb. .44 - .54
Culvers root, bbls lb. .50 - .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 .56
Cumin seed, Iranian, bgs lb. .15¾- .16
Morocco, bgs lb. .16½- .17
Syrian, bgs. lb. .16½- .17
Cutch, extract, 55% tannin, bgs., ex dock lb. 07 - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk ton. 46.50 - —
pulv., 21% N., bgs., same basis unit-ton. 2.55 - —
Cyclohexane, tech., dms., c.l., works. lb. .10½- .11⅛
l.c.l., works lb. .11 - .12
tanks, works lb. .09¼- .10
Cyclohexanol, tech., dms., c.l., works. lb. .21½- .25
l.c.l., works lb. .22 - .26
tanks, works lb. .20 - .24
Cyclohexanone, tech., dms., c.l. lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb. .34 - —
Cyclohexylamine, dms., c.l., works. lb. .34 - —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Cyclopropane, USP, 1 lb. cyls, works, cyl. 40.00 - —
6 oz. cyls., works cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, bbls., c.l., works, frt. equald. lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works. lb. .54 - —
l.c.l., works lb. .59 - .66
Damiana leaves, bls lb. .40 - .45
Dandelion root, bls lb. .40 - .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
tump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works, frt. equald lb. .32 - —
smaller lots, same basis lb. .33 - .35
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd. lb. .36½- —
tanks, dlvd. lb .32 - —
Deertongue leaves, bls lb. .30 - .35
Defluorinated phosphate, 63% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½%P. paper bgs., works ton. 45.00 - —
Degras, common, bbls lb. .10½- .12
Neutral, less 2% ffa, bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone, powd lb .42 - —
Desoxyephedrine hydrochloride, dextro, dms lb. 30.00 - —
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.30 - —
Chicago 100 lbs. 6.65 - —
l.c.l. 100 lbs. 7.45 - —
canary, paper bgs., c.l. 100 lbs. 7.04 - —
Chicago 100 lbs. 6.39 - —
l.c.l. 100 lbs. 7.19 - —
dark, paper bgs., c.l. 100 lbs. 7.14 - —
Chicago 100 lbs. 6.49 - —
l.c.l. 100 lbs. 7.29 - —
white, paper bgs., c.l. 100 lbs. 6.89 - —
Chicago 100 lbs. 6.24 - —
l.c.l. 100 lbs. 7.04 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, bgs lb. .08½- .10
Tapioca, pure, envelope, bgs lb. .15 - .16
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb 4.00 5.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots., works lb 3.00 - —
Diamyl ether (see Ether, amyl)
Phthalate, dms., c.l., dlvd. E lb. .34 - —
l.c.l., dlvd. E lb. .35 - —
tanks, dlvd. E lb. .32½- —
Dianisidin, dms lb 1.65 —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 -52.00
California ton. 38.00 -40.00
l.c.l., ex whse ton. 80.00 —
purified, bgs., c.l., Atl. coast ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices,
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .66½- —
l.c.l., works lb. .67 - —
tanks, works lb. 65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½- —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd. lb. .29 - —
l.c.l., dlvd. lb. .30 - —
tanks, dlvd. lb. .27½- —
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
tanks, works lb. .49½- —
Tartrate, dms., works, frt. alld lb. .62 - —
Dibutylamine, dms., c.l., frt. alld. lb. .51½- —
l.c.l., frt. alld lb. .52½- —
tanks, frt. alld lb. .49 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .37 - —
l.c.l., dlvd. lb. .38 - —
tanks, dlvd. lb. .35½- —
Sebacate, dms., c.l., works lb. .54 - —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —

Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
l.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .29 - —
Dicyclohexylamine, dms., c.l., works lb. .37¼- —
l.c.l., works lb. .38 - —
tanks, works lb. .36 - —
Dicyclohexylphthalate, fib. dms., c.l., works lb. .40½- —
l.c.l., same basis lb. .41½- —
Diethanolamine, dms., c.l., k lb. .25½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36½- —
l.c.l., same basis lb. .37½- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .45 - —
l.c.l., dlvd. lb. .49 - .52½
tanks, dlvd lb. .43½- —
Oxalate, dms., c.l., frt. alld lb. .34½- —
l.c.l., same basis lb. .35½- —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .23½- —
l.c.l., dlvd. lb. .24½- —
tanks, dlvd. lb. .22 - —
Sulphate, dms., c.l., works lb. .16 - —
l.c.l., works lb. .16½- —
tanks, works lb. .14½- —
Diethylamine, dms., c.l., frt. alld. lb. .57 - —
l.c.l., works lb. .57½- —
tanks, works lb. .55½- —
Diethylaniline, dms. lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. lb. .17¼- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Boriborate, dms., l.c.l. lb. .38 - —
Diethylether, dms., l.c.l., works lb. .44 - —
Monobutylether, dms., c.l., works. lb. .24½- —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monobutylether acetate, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½- —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½- —
tanks, works lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works lb. .61½- —
l.c.l., same basis lb. .62½- —
tanks, same basis lb. .60 - —
Diethylstilbestrol, USP, bots kilo. 240.00 -320.00
Digitalin, cryst., bots gram. 12.50 -18.00
powd., bots oz. 25.00 -30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 9.60 -10.00
Diglycol, laurate, dms lb. .30 - .32
Oleate, dms lb. .25 - .27
Stearate, dms lb. .25 - .26
Dihexyl sebacate, dms., c.l., works, lb. .42½- —
l.c.l., works lb. .43 - —
tanks, works lb. .41 - —

Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials, gram. .60 - —
wholesalers, vials gram. .48 - —
Dihydroxydichlorodiphenylmethane, dms. lb. .85 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l. dlvd. lb. .14 - —
l.c.l., dlvd lb. .14½- —
tanks, dlvd. lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .39½- —
l.c.l., same basis lb. .40½- —
tanks, same basis lb. .38 - —
Dillseed, natural, bgs lb. .10½- .11
dewhiskered, bgs. lb. .12 - .12½
Dimethyl chloroacetal, dms., c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Phthalate, dms., c.l., dlvd lb. .23½- —
l.c.l., dlvd. lb. .24½- —
tanks, dlvd. lb. .22 - —
Sebacate, dms., c.l., works lb. .69½- —
l.c.l., works lb. 70 - —
tanks, works lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works. lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret., dms., works lb. .16½ —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .37 .38
l.c.l., works, basis 100% lb. .37½- .38½
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l. lb. .25 - —
tanks lb. .21 - —
Dimethylethanolamine, dms., c.l., dlvd. lb. 1.43 - —
l.c.l., dlvd. lb. 1.45 - —
tanks, dlvd. lb. 1.40 - —

Life ...on the

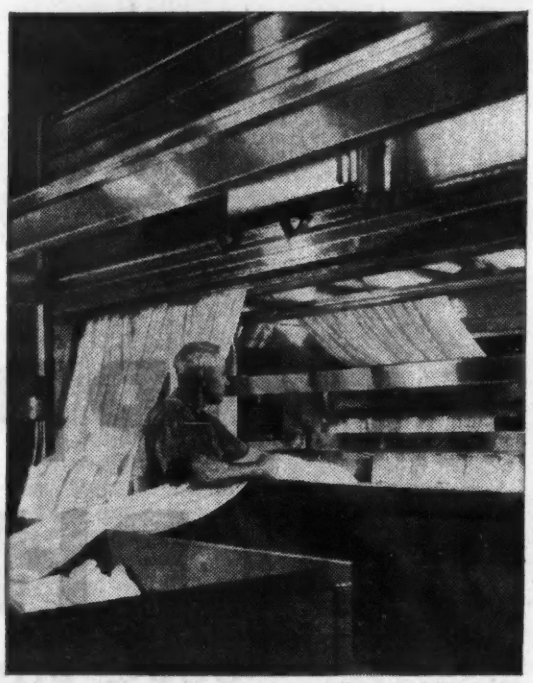


Photo courtesy S. Blickman, Inc.

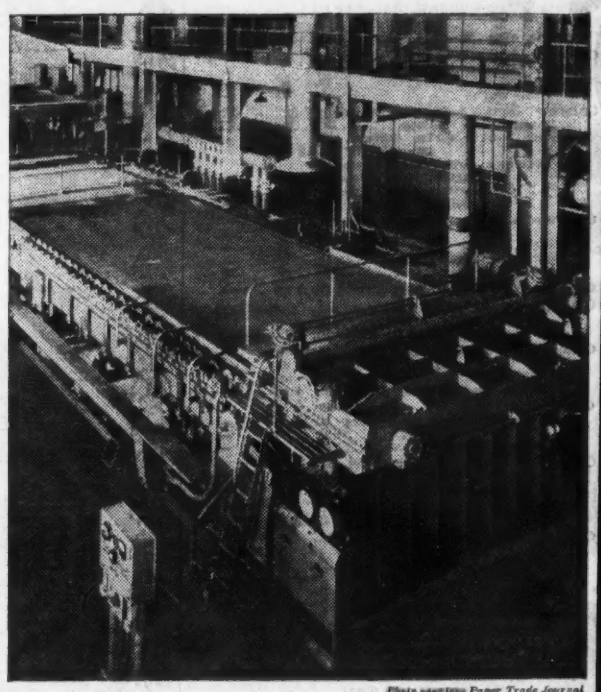
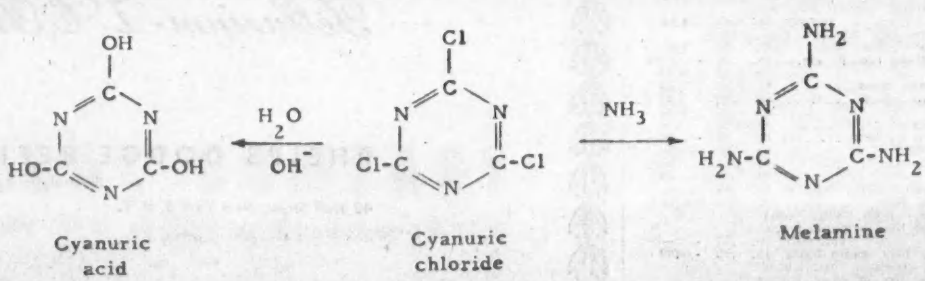


Photo courtesy Paper Trade Journal

SEWING QUALITIES are receiving greater attention in modern textile finishing operations. A number of Cyanamid's finishing oils and soluble waxes are designed to give improved sewing qualities to fabrics as well as softness, suppleness and good hand, thus combining workability and sales appeal, together with wearability.

WORK-HORSE OF THE PAPER INDUSTRY the famous Fourdrinier paper-making machine transforms wet wood pulp into finished paper. Cyanamid's gum, wood, and ACCOBRITE® Rosin Sizes impart ink resistance to paper, adapting it to writing and printing; and they improve its water resistance. Cyanamid's complete line of paper chemicals makes it a recognized source of supply for the paper industry.



CHEMICAL FORMULA FOR CYANURIC CHLORIDE (center) shows its close relationship to cyanuric acid and melamine. This highly reactive intermediate has been suggested for use in the synthesis of pharmaceuticals, explosives, rubber chemicals, surface-active agents, and in textile and fluorescent dyes for laundry soaps. Other potential uses are under investigation by Cyanamid's New Product Development Department, and pilot-plant quantities are available. For full information on chemical and physical properties, send in the coupon.

Dinitroanilin, dms., frt. equald	lb.	50	—
Dinitrobenzene, crude bbls	lb.	.16	—
Dinitrochlorobenzene, 48° C m.p., dms., c.l	lb.	.13½	.14½
l.c.l.	lb.	.14	.15
tanks	lb.	.13¼	.14¼
Dinitrophenol, bbls	lb.	.28	.29½
Dinitrotoluene, oily, dms	lb.	.08½	.09
refd., dms	lb.	.18	.19
Dinonylnaphthalene, c.l., dms., works	lb.	.13	—
l.c.l., dms., works	lb	.14	—
tanks works	lb	.12	—
Dioctyl adipate, dms., c.l., works, frt. alld	lb.	.435	—
l.c.l., same basis	lb.	.445	—
tanks, same basis	lb.	.53	—
Dioctyl phthalate, dms., c.l., frt. alld	lb.	.39½	—
l.c.l., frt. alld	lb.	.40½	—
tanks, frt. alld	lb.	.39	—
Diorthotolylguanidin dms., ton lots, dlvd	lb.	.48	—
smaller lots, dlvd	lb.	.50	—
Dioxan, dms., c.l., frt. alld	lb.	.25	—
l.c.l., same basis	lb.	.25½	—
tanks, same basis	lb.	.23½	—
Dip oil (see Tar acid oil).			
Dipentaerythritol, bgs., l.c.l., works	lb.	.34	—
Dipentene dest.-dist., dms. incl., c.l., works, South	gal.	.35	.53
l.c.l., same basis	gal.	.36	.55
N. Y. whse.	gal.	.46	—
tanks, works, South	gal.	.20	—
steam-dist. dms., c.l., works, South	gal.	.36	—
l.c.l., works, South	gal.	.46	—
dlvd. N. Y.	gal.	.52	—
Diphenyl, bbls., c.l., works	lb.	.15	—
l.c.l., works	lb.	.16	.20
Oxide, perfume grade, cns., dms.	lb.	.43	.62
Diphenylamine, bbls.	lb	.26	—

Diphenylguanidin, dms., ton lots	lb.	.32	—
smaller lots	lb.	.40	—
Diphenylhydantoin-sodium, USP, dms.	lb.	3.25	3.50
Dipropyleneglycol, dms., c.l., frt. alld	lb.	.14½	—
l.c.l., same basis	lb.	.15½	—
tanks, same basis	lb.	.13	—
Dipropyleneglycol methylether, dms., c.l., frt. equald	lb.	.18	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16½	—
Ditertiarybutylmetacresol, dms., c.l., works	lb.	.33	—
l.c.l., works	lb.	.33	—
tanks, works	lb.	.31	—
Ditertiarybutylparacresol, dms., c.l., works	lb.	.91	—
l.c.l., works	lb.	.96	—
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock	ton	68.00	—
Divinylbenzene, 15%, dms., c.l., works	lb.	.25	—
l.c.l., works	lb.	.26	—
tanks, works	lb.	.24	—
40%, dms., c.l. works	lb.	.55	—
l.c.l. works	lb	.60	.65
Dodecyltoluene, dms., c.l., works	lb.	.14	—
l.c.l., works	lb.	.15	—
tanks, works	lb	.13	—
Doggrass root, dom., cut, bls	lb.	.20	.24
imp., NF, cut, bls	lb.	.25	.30
Dogwood bark, Jamaica	lb.	.10	.14
Dragon's blood, drops, cs	lb.	.45	.47
mass, cs.	lb.	.90	1.00
reeds, cs	lb.	1.75	2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—

Blue, FD&C, No. 1, cns.	lb.	17.00	17.60
No. 2, cns.	lb.	17.00	17.60
Green, FD&C, No. 1, cns.	lb.	17.00	17.60
No. 2, cns.	lb.	22.20	22.85
No. 3, cns.	lb.	35.25	35.90

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—

Orange, FD&C, No. 1, cns.	lb	3.65	3.75
No. 2, cns.	lb	4.65	4.75
Red, FD&C, No. 1, cns.	lb	7.55	7.85
No. 2, cns.	lb	4.00	4.10
No. 3, cns.	lb.	22.20	22.85
No. 4, cns.	lb	7.20	7.50
No. 32, cns.	lb	5.30	5.40
Yellow, FD&C, No. 1, cns.	lb.	10.50	11.03
No. 3, cns.	lb	3.30	3.40
No. 4, cns.	lb	3.30	3.40
No. 5, cns.	lb	4.00	4.10
No. 6, cns.	lb	4.00	4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Black, D&C, No. 1, cns	lb.	10.95	—
Blue, D&C, No. 4, cns	lb.	13.55	—
Brown, D&C, No. 1, cns.	lb.	16.10	—
Green, D&C, No. 5, cns.	lb.	16.10	—
No. 6, cns.	lb.	16.10	—
No. 7, cns.	lb.	14.80	—
Orange, D&C, No. 3, cns.	lb.	10.95	—
No. 4, cns.	lb.	20.05	—
No. 5, cns.	lb	5.70	—
No. 10, cns.	lb.	20.70	—
Red, D&C, No. 8, cns.	lb	3.75	—
No. 9, cns.	lb	3.75	—
No. 10, cns.	lb	3.00	—
No. 11, cns.	lb	2.25	—
No. 12, cns.	lb	3.00	—
No. 17, cns.	lb.	10.95	—
No. 18, cns.	lb.	24.00	—
No. 19, cns.	lb.	20.05	—
No. 21, cns.	lb	4.70	—
No. 22, cns.	lb.	10.95	—
No. 23, cns.	lb.	24.65	—
No. 33, cns	lb.	17.45	—
Violet, D&C, No. 1, cns.	lb	16.10	—
No. 2, cns.	lb.	16.10	—

Dinitroanilin—Ephedra Herb

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Yellow, D&C, No. 7, cns.	lb.	10.95	—
No. 8, cns.	lb.	10.95	—
No. 10, cns.	lb.	13.50	—
No. 11, cns.	lb.	13.50	—
No. 22, cns.	lb	9.15	—
No. 33, cns.	lb.	14.65	—
No. 37, cns.	lb	13.55	—

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Blue, Ext. D&C, No. 1, cns.	lb.	16.10	—
Green, Ext. D&C, No. 1, cns.	lb.	16.10	—
Red, Ext. D&C, No. 1, cns.	lb.	13.50	—
Yellow, Ext. D&C, No. 1, cns	lb.	10.95	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Chrysodine G	lb	.59	—
27 Orange G.	lb	.71	—
31 Amido naphthol red G.	lb	.59	—
36 Alizarine yellow 2G	lb	.76	—
40 Alizarine yellow R	lb.	.97	—
57 Amido naphthol red 6B	lb	.90	—
79 Ponceau R	lb	.68	—
151 Orange II	lb	.44	—
165 Red lake C	lb	1.05	—
179 Azo rubine	lb	.95	—
178 Red lake A	lb	.80	—
180 Diamond blue 3B	lb	.84	—
185 Cochineal red A	lb	.85	—
202 Chrome blue black R	lb	.62	—
203 Chrome black T	lb	.72	—
208 Sulphon acid blue R	lb	.83	—
216 Acid alizarin red B	lb	.77	—
234 Resorcin brown	lb	.82	—
246 Naphthol blue black	lb	.78	—
278 Benzo fast red SBL	lb.	2.74	—
289 Sulphon cyanine 5R extra	lb	1.00	—
299 Diamond black F	lb.	1.78	—
304 Nerol 2B	lb	1.84	—
326 Benzo fast orange G	lb	1.45	—
332 Bismarck brown R	lb	.78	—
365 Chrysophenine	lb	2.14	—
382 Diamine black BH	lb	1.51	—
401 Diamine black BH	lb.	.58	—
406 Benzo blue 2B conc	lb	.96	—
419 Diamine fast red F	lb	1.05	—
420 Diamine brown M	lb	.82	—
448 Benzo purpurine 4B	lb	1.08	—
518 Diamine sky blue FF	lb	1.48	—
561 Trisulphon brown B	lb	1.78	—
581 Direct deep black EW extra	lb	.81	—
593 Diamine green B	lb	.60	—
596 Congo brown G	lb	1.20	—
620 Sun yellow	lb	.84	—
639 Xylene light yellow	lb	1.77	—
640 Tartrazine	lb	1.34	—
655 Auramine	lb	1.69	—
657 Malachite green	lb	1.93	—
662 Brilliant green	lb	2.55	—
667 Brilliant milling green B	lb	3.27	—
671 Glaucine	lb	1.54	—
680 Methyl violet B	lb	.95	—
681 Crystal violet	lb	1.91	—
698 Formyl violet S4B	lb	1.51	—
720 Chrome azurol B	lb	3.60	—
729 Victoria blue B	lb.	2.48	2.68
737 Wool green S	lb	2.14	—
749 Rhodamine B	lb	3.85	—
814 Chloramine yellow	lb	2.76	—
841 Safranine	lb	2.58	—
865 Nigrosine WSJ 78	lb.	.60	—
922 Methylene blue GXX	lb	1.28	—
969 Hydron blue R	lb	.72	—
978 Sulphur black T extra	lb	26½	—
1027 Alizarin VI	lb	.64	—
1034 Alizarin red S	lb	2.30	—
1054 Alizarin saphiro B	lb	2.59	—
1078 Alizarin cyanine green	lb	2.61	—
1085 Alizarin blue black B	lb	2.13	—
1096 Indanthrene golden orange G single paste	lb	1.96	—
double paste	lb	3.92	—
1099 Indanthrene dark blue BO single paste	lb	1.72	—
1101 Caledon jade green	lb	2.32	—
1106 Indanthrene blue RS, double paste	lb	2.52	—
1113 Indanthrene blue GCD double paste	lb	1.72	—
1150 Indanthrene olive R, single paste	lb	1.08	—
1151 Indanthrene brown R, single paste	lb	1.65	—
double paste	lb	3.29	—
1212 Indanthrene red violet RH single paste	lb	1.54	—
1217 Hellindon orange R, single paste	lb	1.57	—
p-4 Acid anthracine brown F G	lb	2.48	—
p-14 Anthracene chromate brown EB	lb	1.25	—
p-24 Benzo fast black L	lb	1.94	—
p-80 Diazo brilliant scarlet ROA	lb	2.55	—
p-202 Zambesi black V	lb.	.97	—
p-244 Celliton scarlet B	lb.	1.25	—
p-313 Naphthol AS-SW	lb	2.74	—

Dyes, coaltar, for stains, oil-soluble 100-lb dms., sellers' works.

Black, blue, No. 550	lb.	.72	—
Jet, No. 551	lb.	.79	—
Brown, R, conc	lb	1.44	—
Orange R, brilliant	lb	.80	—
Red 4 B, conc	lb	1.22	—
Yellow, C	lb	1.05	—
FN, conc	lb	1.08	—

Dyes, coaltar, for stains, spirit-soluble 100-lb dms, sellers works

Auramine, O	lb.	1.69	—
Black, basic, blue	lb	1.08	—
Jet	lb	1.08	—
Blue, methylene, 2 B, conc	lb.	1.42	—
Brown, Bismarck, R, conc	lb	.78	—
Chrysodine, R, extra	lb	.55	—
Y, extra	lb.	.59	—
Fuchsine, conc	lb.	2.82	—
Green, malachite, conc	lb.	1.93	—
Rhodamine, B	lb	3.97	—
Safranine, Y, conc	lb	2.66	—
Violet, methyl, B	lb.	1.01	—

Dyes, coaltar, for stains, water-soluble, 100-lb dms, sellers' works

Black, acid blue, B extra	lb	.76	—
Orange, acid, Y, conc	lb.	.42	—
Rhodamine, azo, R, extra, conc.			
Rhodamine, R, extra, conc	lb	3.97	—
Scarlet, croceine, MOO	lb	1.33	—
Yellow, azo-, conc	lb.	.82	—
Fast light, 3 G, extra	lb.	1.80	—
Methanil, conc	lb	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c higher; tins, 10c higher

E

Echinacea root, bls	lb	.45	.85
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.08	1.12
Chinese, spot, bbls., duty paid	lb.	.85	.87
tanners, bbls	lb	06½	.07
Elder flowers, bright, bls	lb	.40	.50
Elecampane root, bls	lb	.22	.25
Elm bark, grinding, bls	lb	.30	.35
powd., bbls., bxs	lb	.40	.45
select, bndls	lb	.55	.60
Emetine hydrochloride USP, bots	oz.	37.50	40.00
Ephedra herb, bls	lb.	.30	.38

Chemical Newsfront

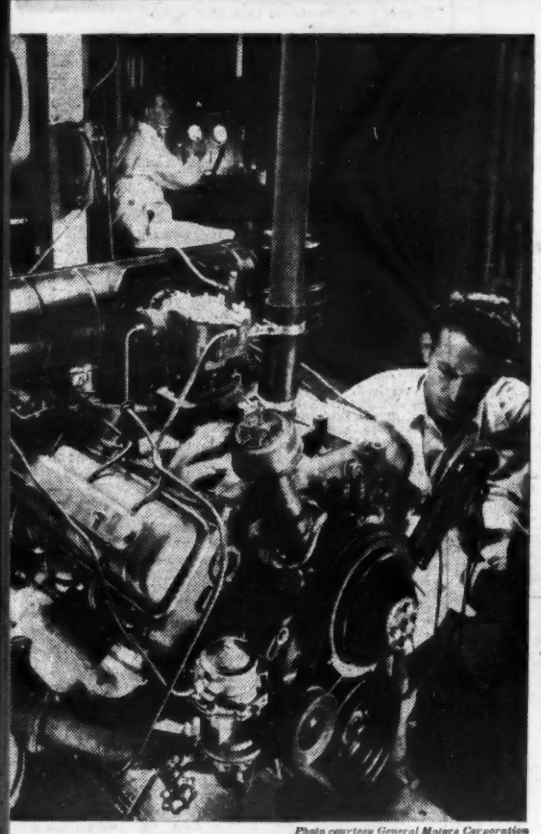
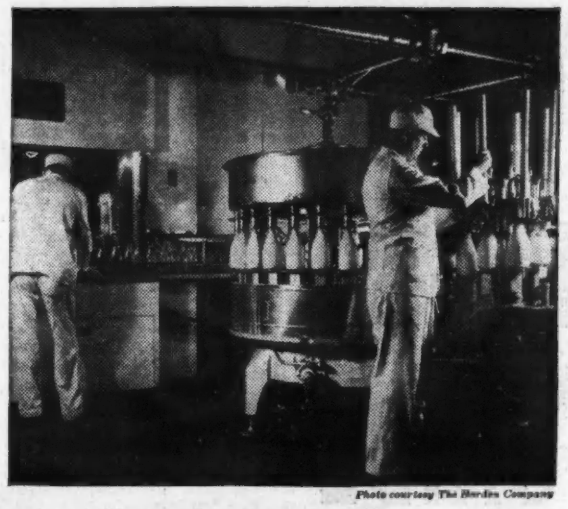


Photo courtesy General Motors Corporation

MEET THE NEEDS OF MODERN high-compression engines, Cyanamid developed the efficient AEROCAT® Synthetic Fluid Catalysts use in the production of top-grade gasolines. In modern fluid king techniques, these catalysts, including the MS or "Micro-roidal" form which represents the latest advancement in this l, today make possible refining operations that were unthinkable w years ago. Working in cooperation with the petroleum indus- for many years, Cyanamid has developed a number of im- ant petroleum chemicals such as AEROLUBE® Additives for lar, premium and heavy-duty motor oils, AERO* Stearates for se-making, Gasoline Dyes and Drilling Mud Chemicals.

*Trade-mark



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- ☐ CYANURIC Chloride
- ☐ AEROLUBE Additives
- ☐ Rosin Sizes for Paper
- ☐ No-ODOROL® Finishing Oils, and Soluble Waxes

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ROCKEFELLER PLAZA · NEW YORK 20, N. Y.

Ephedrine, Synthetic—Geranyl Acetate

Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs.oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37 - —
tanks, works lb. .35 - —
Epinephrine, synth., USP, bots., 100 grams gram. .45 - —
Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works 100 lbs. 2.35 —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 —
smaller lots 100 lbs. 3.35 - —
Ergot, NF, dms., tin-lined lb. 4.00 - 4.25
Eserine, bots. oz.45.00 -50.00
Salicylate, USP, bots oz.33.00 -34.00
Sulphate, bots oz.36.00 -37.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .29 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works, lb., 16½- —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.00 - —
75 cc. hospitals bot. 1.56 - —
Ethyl, absolute, ACS, dms lb. .30 - —
anesthesia, USP, hospital, cns. lb. .75 .80
Industrial, USP, dms., c.l., dlvd. lb. .10¼- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .08½- —
Ether, ethyl, industrial, synthetic, dms., incl., dlvd, East lb. .10½- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .08½- —
Isopropyl, dms., c.l., dlvd lb. .06 - —
l.c.l., dlvd lb. .06½- —
tanks, dlvd lb. .04½- —
Nitrous, conc., bots., 100 lbs lb. 1.03 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l. frt. alld. lb. .10½ —
l.c.l., frt. alld lb. .11½- —
tanks, frt. alld lb. .09 - —
95-96%, dms., c.l., frt. alld. lb. .10¾- —
l.c.l. frt alld lb. .11¾- —
tanks, frt. alld lb. .09¼- —
99%, dms., c.l., frt. alld. lb. .11 - —
l.c.l., frt. alld lb. .12 - —
tanks, frt. alld lb. .09½- —
synthetic, 85-90%, dms., c.l., frt. alld lb. .10½- —
l.c.l., frt alld lb. .11½- —
tanks, frt. alld lb. .09 - —
95-98%, dms. c.l., frt. alld. lb. .10¾- —
l.c.l. frt alld lb. .11¾- —
tanks, frt. alld lb. .09¼- —
99%, dms., c.l., frt. alld lb. .11 - —
l.c.l., frt. alld lb. .12 - —
tanks, frt. alld lb. .09 - —
Acetoacetate, dms., c.l., dlvd lb. .47½- —
l.c.l., dlvd. lb. .48½ —
tanks, dlvd lb. .46 —
Acrylate, dms., c.l., and truckload, works lb. .49 - —
less than truckload, works lb. .49½- —
tanks, works lb. .48 - —
Benzoate, dms. lb. .70 - .75
Betaethoxypropionate dms. works lb. 70
Bromide, tech., 98%, dms lb. .39 .41
Ethyl butyrate, bots. gal. 4.75 - —
cns., works lb. .65 - .70
dms., works lb. .60 - —
Carbamate (see Urethane).
Chloride, tech., tanks, frt. alld, East lb. .13½- —
USP bbls. cyl lb. .20 - .22
Cinnamate, cns. lb. 2.25 - 2.30
Formate, dms. lb. .35 —
Iodide, bots., works lb. 3.50 - 4.27
cbys., works lb. 2.60 - 2.85
Lactate, dms., works lb. .41 - —
Methacrylate, dms., c.l and truckload, works lb. .50 - —
less than truckload, works lb. .50½- .60
Nitrite (see Ether, nitrous).
Oenanthate, dms lb. 1.00 2.00
Oleate, dms., l.c.l. works lb. .53 - —
Oxalate (see Diethyl oxalate).
Silicate, dist (see Tetraethylorthosilicate).
40% available SiO_2, dms. works lb. .53 - —
Ethylalphanaphthylamine, dms lb. .80 - —
Ethylanilin, dms lb. .60 - —
Ethylbenzene, dms., c.l. lb. .14 - —
l.c.l. lb. .15 - —
tanks lb. .13 - —
Ethylcellulose, 6b dms. 5,000 lbs., works lb. .52 - —
smaller lots, works lb. .54 - .63
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies lb. .09¼- —
W of Rockies lb. .10½- —
l.c.l., works, frt. alld. E of Rockies lb. .11½- —
W of Rockies lb. .11½- —
tanks, frt. alld., E. Rockies lb. .08 - —
W of Rockies lb. .09 - —
Oxide, cyls., c.l., works lb. .23¾- —
l.c.l., works lb. .24¾- —
tanks, frt. alld. East lb. .16¾- —
Trichloride (see Trichloroethane)
Ethylenediamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Ethyleneglycol, dms., c.l., frt. alld. E lb. .16 —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14½- —
Diethylether, dms., l.c.l., works lb. .50 —
Monobutylether, dms., c.l., works, lb. .20 - —
l.c.l., works lb. .20½- —
tanks, works lb. .18½- —
Monoethylether, dms., c.l., works, lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .16 - —
l.c.l., works lb. .16½- —
tanks, works lb. .14½- —
Monomethylether, dms., c.l., works lb. 15½ —
l.c.l., works lb. .20 - —
tanks, works lb. 18 —
Monomethylether acetate, dms., c.l., works lb. .24½ —
l.c.l., works lb. .25 —
tanks, works lb. .23 —
Monostearate, dms. lb. .33 - —
Ethylethanolamines, mixed, dms., c.l., works lb. .32 —
l.c.l., works lb. 33 —
Ethylmorphine hydrochloride, USP bots oz.11.85 - —
Ethylorthotoluidine, bbls. lb. 80 - —
Ethylvanillin, cns., 3 lbs. or more lb 6.75 —
smaller lots lb 6.80 6.90
Eucalyptol, USP, cns., dms. lb 1.25 2.05
Eucalyptus leaves, bls lb 10 14
Eugenol, prime, USP lb. 2.10 - 2.95
Euphorbia, pil., cera, bls lb .18 .20

F

Feldspar enamel, 100 mesh, bgs., works ton.20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton.11.75 -12.50
Pottery, bgs., ton lots, works ton.20.00 -22.00
bulk, c.l., works ton.18.00 -20.00
Fennel seed, Czech., dark, bgs. lb. .11 - .11½
French, bgs. lb. .11 - .11½
Indian, bgs lb. .12 - .12½
Fenugreek, domestic, bgs. lb. No stocks.
Indian, bgs lb. .11 - .11½
futures, bgs. lb. .11 - .11½
Moroccan, bgs. lb. .06¾- .07
Syrian, bgs. lb. .06½- .07
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works lb. .11½- —
water-white, cs., works lb. .13½- —
Fir balsam, Canada, cns. gal.32.50 -33.00
Oregon, bbls. gal. 2.35 - 2.60
Fishberries, bgs. lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton.145.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area ton.140.00 Nom.
Fleaseed (see Psyllium seed).
Fringetree bark, bls. lb 42 45
Fluorspar, acid grade, bgs., c.l. mines ton.47.50 - —
l.c.l., mines ton 49.50 —
bulk, contract, c.l., mines ton.42.00 - —
noncontract, c.l., mines ton.45.00 - —
l.c.l., mines ton.47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net ton.39.00 -41.00
powd., 90-92% ton.41.00 —
foundry grade, lump, 85-80%, ton.34.00 —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton.35.00 -37.00
65%, bulk, c.l., mines ton.34.00 -36.00
60%, bulk, c.l., mines ton.33.00 -35.00
less than 60% bulk, c.l., mines, ton.32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
l.c.l., E. works lb .0620- —
tanks, E. works lb .0370- —
methanol-free (uninhibited), tanks, works lb .0330- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .029 for inhibited and .020 for uninhibited

Fuller's earth, dom., powd., bgs., c.l., Fla., Ga mines ton.30.00 —
Tex., mines ton.27.00 —
spent, bulk, Bayonne ton 2.00 4.00
imported, bgs., c.l. ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb 12 —
l.c.l., works lb. 14 - —
tanks, works lb. 09½- —
Fusel oil, refined, dms., c.l., dlvd lb. .23½- —
l.c.l., dlvd lb. .24½- —
tanks, dlvd lb. .22 - —
Fustic extract, cryst., No. 1, bbls., l.c.l lb. 42½- —
No. 1A, bbls., l.c.l lb. 41½- —
No. 2, bbls., l.c.l lb. 40½- —
No. 3, bbls., l.c.l lb. 38½- —
liquid, No. 0, bbls., l.c.l lb. .22 - —
No. 1, bbls., l.c.l lb. .20½- —
No. 2, bbls., l.c.l lb. .19½- —
No. 3, bbls., l.c.l lb. .17 - —
solid, No. 1 bxs., l.c.l lb .38 —

G

G salt, bbls lb. .50 .60
Galangal root, bxs lb. .23 - .25
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks gal. .09875- —
Bayonne, 83 octane, tanks gal. .116 - —
Gulf coast, 80 octane, tanks gal. .10 - .11
Group 3, 80 octane, tanks gal. .095 - .09625
Pennsylvania, western, U. S., motor, 83 octane, tanks gal. .12 - —
natural, 26-70 octane, group 3, tanks gal. .0425- —
Gelatin, silver label, imported, cs lb. 1.15 —
Geloemium root, bls lb. .25 .30
Gentian root, bls lb. .13 .17
grd., bbls., bxs lb. .17 .18
powd., bbls., bxs lb. .18 .21
Geraniol, extra, cns., dms. lb. 2.60 - 3.00
prime lb. 2.20 2.40
Geranyl acetate, cns. lb. 2.65 3.90

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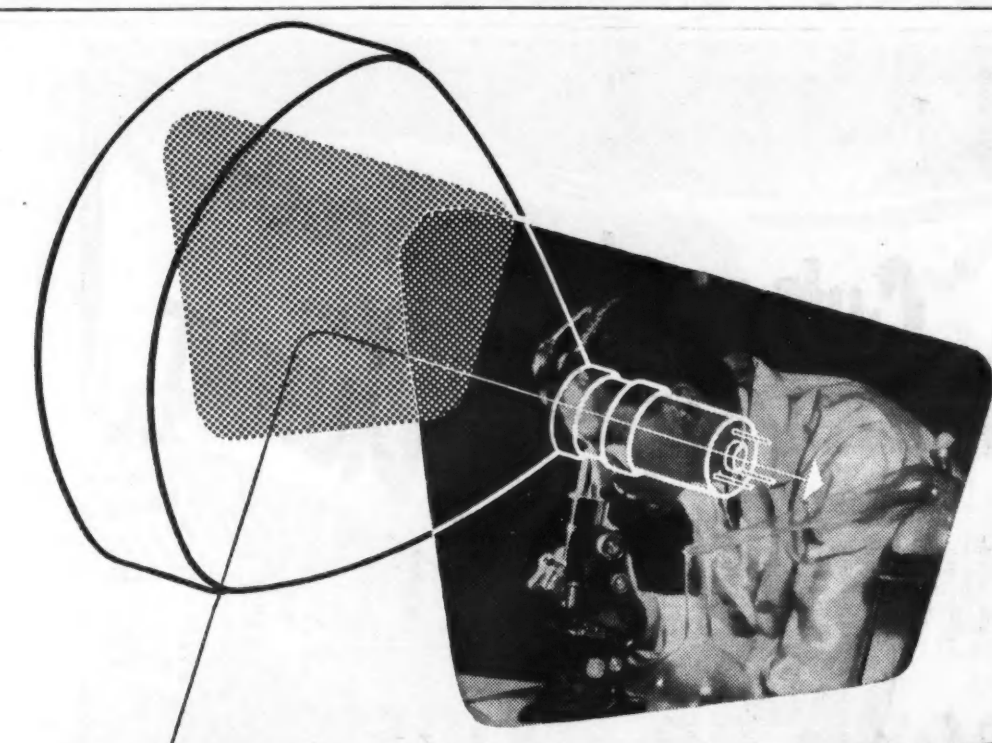
Ginger, oleoresin, NF, African, bots.	lb.	7.45	- 8.70
Jamaican	lb.	9.40	-12.00
Root, African, bls	lb.	.39	- .41
Mar.-May shipment, bgs	lb.	.38	- .39
Cochin, bleached, bgs., futures,	lb.	No stocks.	
unbleached, bgs, futures	lb.	.53	- .53½
Jamaica, No. 1, bgs	lb.	.51	- .52
No. 2, bgs	lb.	.50	- .50½
No. 3, bgs	lb.	.48	- .48½
Rhattoon, bgs	lb.	.40	- .41
Nigerian, split, bgs	lb.	.32	- .33
Ginseng root, cs	lb.	12.00	-16.00
Glauber's salt, annyd. (see Sodium sulphate).			
cryst., bgs., c.l., works	100 lbs.	1.60	- —
l.c.l., bgs., works	100 lbs.	1.75	- 2.00
Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest	lb.	.18½	- —
65 jellygrams, bgs., c.l., same basis	lb.	.20	- —
80 jellygrams, bgs., c.l., same basis	lb.	.21	- —
110 jellygrams, bgs., c.l., same basis	lb.	.22	- —
130 jellygrams, bgs., c.l., same basis	lb.	.23	- —
Over 150 jellygrams, bgs., c.l. same basis	lb.	.24	- —
Bone glue, t.c.l., 1c. per lb. higher than c.l.			
ground, 65 jellygrams, bgs., c.l., (50,000 lbs.), dlvd.	lb.	.20½	- —
l.c.l., same basis	lb.	.21½	- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd.	lb.	.22	- .25
122-149, bgs., c.l., dlvd	lb.	.23	.26
150-177, bgs., c.l., dlvd	lb.	.24	.27
178-206, bgs., c.l., dlvd	lb.	.25	.29
207-236, bgs., c.l., dlvd	lb.	.26	- .30
237-266, bgs., c.l., dlvd	lb.	.27	- .31
267-296, bgs., c.l., dlvd	lb.	.28	.32
299-330 bgs., c.l., dlvd	lb.	.29	- .33
331-362, bgs., c.l., dlvd	lb.	.30	.33
363-394, bgs., c.l., dlvd	lb.	.31	.34
395-427, bgs., c.l., dlvd	lb.	.32	.35
428-460, bgs., c.l., dlvd	lb.	.33	.36½
461-494, bgs., c.l., dlvd	lb.	.34	.38
495-529 bgs., c.l., dlvd	lb.	.35	.39
Hide glue, t.c.l., prices 1c. higher than c.l. bbls. ½c more than bgs.			
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd	lb.	.16¾	- .18¾
soaplye, 80% tanks, dlvd	lb.	.15¼	- .16½
dynamite, dms., c.l., dlvd	lb.	.24	- —
l.c.l., dlvd	lb.	.24½	- —
tanks, dlvd	lb	.23½	- —
high gravity, dms., c.l., dlvd	lb.	.24¼	- —
l.c.l., dlvd	lb.	.24¾	- —
tanks, dlvd	lb.	.23¾	- —
refined, BP, 98%, dms., c.l., dlvd.	lb.	.25½	- —
l.c.l., dlvd	lb.	.26	- —
tanks, dlvd	lb.	.25	- —
USP, c.p., 95% dms., c.l., dlvd.	lb.	.24¾	- —
l.c.l., dlvd	lb.	.25¼	- —
tanks, dlvd	lb.	.24¼	- —
yellow, distilled, dms., c.l., dlvd	lb.	.24½	- —
	lb.	.24½	- —
l.c.l., dlvd	lb.	.24⅝	- —
tanks, dlvd.	lb.	.23⅝	- —
Glycine USP (see Acid, aminoacetic).			
Glyoxal, 30%, dms., c.l., works	lb.	.17½	- —
l.c.l., works	lb.	.18	- —
tanks, works	lb	.17	- —
Gold chloride, acid-brown, bots	oz.	22.00	-22.25
acid-yellow bots	oz.	20.00	-20.25
Gold of pleasure seed, bgs	lb.	.40	.41
Goldenseal root, bls	lb.	2.90	- 3.50
powd., bxs.	lb.	3.50	- 4.00
Gold-sodium chloride, photo, bots.	oz.	13.50	-14.00
USP IX, bots	oz.	14.50	-15.00
Grains of paradise, bgs	lb.	.62	- .65
Graphite, imported, amorph., powd., bgs., dlvd	lb.	No prices.	
crystalline, 88-90%, powd., bgs., ex whse	lb.	No prices.	
90-92%, powd., bgs., ex whse.	lb.	No prices.	
97%, powd., bgs., ex whse	lb.	No prices.	
flake, No. 1 90-95%, bgs., ctns., ex whse	lb.	No prices.	
No. 2, whse	lb.	No prices.	
Grease, house, loose, dlvd	lb.	.04¾	- —
White, choice, loose	lb.	.06⅜	- —
Wool (see Degras and Lanolin).			
Yellow, loose	lb.	.05¼	- —
Green, brilliant, thioflavin, toner, molybdic, kgs., works	lb.	4.25	- 4.50
Tungstic, kgs., works	lb.	4.25	- 4.50
16-20%, bbls., same basis	lb.	.38½	- —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.32	- —
6-10%, bbls., same basis	lb.	.33	- —
11-15%, bbls., same basis	lb.	.34	- —
16-20%, bbls., same basis.	lb.	.34½	- —
21-25%, bbls., same basis	lb.	.35¼	- —
26-30%, bbls., same basis	lb.	.35¾	- —
31-35%, bbls., same basis	lb.	.36¾	- —
36-40%, bbls., same basis	lb.	.38½	- —
41-45%, bbls., same basis	lb.	.40	- —
46-50%, bbls., same basis	lb.	.22¼	- —
50% and over, bbls., same basis	lb.	.42¾	- —
reduced color, 5%, bbls., same basis	lb.	.12½	- —
6-10%, bbls., same basis	lb.	.13¼	- —
11-13%, bbls., same basis	lb.	.13¾	- —
14-16%, bbls., same basis	lb.	.14½	- —
17-19%, bbls., same basis	lb.	.14¾	- —
20-21%, bbls., same basis	lb.	.15	- —
22-23%, bbls., same basis	lb.	.15¼	- —
24-25%, bbls., same basis	lb.	.15¼	- —
26-27%, bbls., same basis	lb.	.15¾	- —
28-29%, bbls., same basis	lb.	.16¼	- —
30-31%, bbls., same basis	lb.	.17¼	- —
32-33%, bbls., same basis	lb.	.18½	- —
34-35%, bbls., same basis	lb.	.19½	- —
36-40%, bbls., same basis	lb.	.41¾	- —
41-45%, bbls., same basis	lb.	.24½	- —
46-50%, bbls., same basis	lb.	.26	- —
51-55%, bbls., same basis	lb.	.25¾	- —
56-60%, bbls., same basis	lb.	.26¼	- —
61-65%, bbls., same basis	lb.	.27¼	- —
Green, chrome, reduced color, 66-70%, bbls., same basis	bl.	.28½	- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.			
Chromium oxide, hydrated, bbls., works	lb.	.75	- 1.00
pure, bgs. frt. alld	lb	.33	.40
Dyes (see Dyes, coaltar).			
Malachite thioflavin toner, molybdic, bbls., works	lb.	3.00	- —
Tungstic, bbls. works	lb.	3.40	- —
Paris (see P).			
Phthalocyanin toner bbls., works.	lb.	4.40	5.00
Tungstated, brilliant, kgs	lb.	3.00	4.00
Emerald, kgs	lb.	2.60	—
Verdigris (see V).			
Grindelia robusta herb, bls	lb.	.24	.30
Guaiac resin, NF, cs	lb.	.60	.65
ordinary, cs.	lb.	.49	.51
Wood, bls	lb.	.35	.36
Guaiacol, cryst., tins	lb	No prices.	
Liquid, NF, bots., cbys	lb.	1.90	- 1.95
Carbonate dms	lb	2.95	3.00
Guarana, powd., cs.	lb.	1.50	1.75
Gum, accroides (see Gum, yacca).			
Aloe (see A.).			
Ammoniac, tears, cs	lb.	.90	- .95
Arabic, amber, sorts, bgs	lb.	.12	- .13½
powdered, USP, bbls	lb.	.20½	- .21
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Sumatra, cs	lb.	.50	- .70
Camphor (see C).			
Gum, copal, Congo, No. 1, bgs	lb.	.25	- .26
No. 2, bgs	lb.	.20	- .21
No. 3, bgs	lb.	.16	- .17
Manila, toba, B, bgs	lb.	No prices.	
C, bgs.	lb.	.26	- .27
CBB, bgs.	lb.	.22	- .23
CNE, bgs.	lb.	No prices.	
DBB, bgs.	lb.	.22	- .23
DK, bgs.	lb.	.13	- .14
dust, bgs.	lb.	No prices.	
soft, MA, bgs	lb.	.14	- .15
WS, bgs.	lb.	No prices.	
Philippine, pale, chips, bgs.	lb.	.19	- .21
nubs, bgs.	lb.	.23	- .25
seeds, bgs	lb.	.14	- .15
sorts, bgs.	lb.	.16	- .17
Pontianak, chips, bgs	lb.	.14	- .16
nubs, bgs.	lb.	.25	- .27
Dammar, Batavia, A/D, bgs	lb.	.28	- .30
A/E, bgs.	lb.	.23	- .24
dust, bgs.	lb.	.07½	- .08½
E, bgs.	lb.	.12½	- .13½
East India, batu, bold, bgs	lb.	.09	- .10
nubs and chips, bgs	lb.	.06	- .07
black, bold, bgs	lb.	.11	- .12
unscraped, bgs.	lb.	.09	- .10
nubs and chips, bgs	lb.	.09	- .10
pale, chips, bgs	lb.	.11	- .13
nubs, bgs.	lb.	.20	- .22
Singapore, No. 1, bgs	lb.	.28	- .30
No. 2, bgs	lb.	.20	- .21
No. 3, bgs.	lb.	No prices.	
dust, bgs.	lb.	.09	- .10
seeds, bgs.	lb.	.12½	- .13½
Elemi, cns.	lb.	.21	- .22
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich.,			
Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.	lb.	.12	- .12½
Gum, ester, wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc	lb.	.12	- .12¼
Euphorbium, cs.	lb.	.35	- .40
Galbanum, cs.	lb.	.75	- .80
Gamboge, pipe, cs	lb.	1.15	- 1.25
powd., bbls	lb.	1.35	- 1.40
Ghatti, No. 2, bgs	lb.	.35	- .37
No. 3, bgs	lb	.31	- .33
Guaiac (see Guaiac resin).			
Karaya, powd., No. 1	lb.	.49	- .54
No. 2	lb.	.45	- .46
No. 3	lb.	.34	- .35
Kauri, bgs.	lb.	.31½	- .32¾
Locust bean, powd., bgs	lb.	.31	- .33
Mastic, cs.	lb	2.25	- 2.50
Myrrh, cs.	lb.	.30	.35
Olibanum, siftings, cs	lb.	.12	- .13
tears, cs.	lb.	.16	.30
Opium (see O).			
Red (see Gum, yacca).			
Rosin (see R).			
Sandarac, cks.	lb.	1.95	2.25
Scammony, cs	lb	1.50	1.55
Sterculia (see Gum, karaya).			
Talha, bgs	lb.	.10	.11
Tragacanth, No. 1, cs	lb.	2.75	3.00
No. 2, cs	lb.	2.50	2.75
No. 3, cs	lb.	1.75	2.00
powdered, USP, bbls	lb.	1.35	1.45
Yacca, bgs.	lb.	.06½	- .06¾
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald	ton.	22.65	- —
Harlem river N. Y., frt. equald	ton.	28.23	- —
Medicine Lodge, Kan., frt. equald	ton.	17.00	- —
New Brighton, N. Y., frt. equald	ton.	30.65	- —



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QUANTITATIVE SPECTROGRAPHIC ANALYSIS OF A TYPICAL LOT OF MALLINCKRODT SPECIAL SODIUM SULFATE

Copper		0.3 ppm
Silver	Less than	0.1 ppm
Bismuth	Less than	0.1 ppm
Cobalt	Less than	0.5 ppm
Chromium	Less than	0.5 ppm
Cesium	Less than	0.1 ppm
Iron		0.2 ppm
Lithium		0.9 ppm
Manganese	Less than	0.1 ppm
Nickel	Less than	0.5 ppm
Aluminum		15.0 ppm
Barium	Less than	0.1 ppm
Cadmium	Less than	0.1 ppm
Lead		1.2 ppm
Silicon	Less than	1.0 ppm
Tin		0.3 ppm
Strontium	Less than	0.1 ppm
Titanium	Less than	0.5 ppm
Zinc	Less than	1.0 ppm

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Gypsum, Keen's Cement—Kava Kava Root

Gypsum, Keen's cement, Southard, Okla., frt. equald....ton.17.00 • —
Sweetwater, Tex., frt. equald..ton.21.45 • —
Acme, Texas, frt. equald. ton.12.50 • —
Blue Rapids, Kans., frt. equald..ton.10.50 • —
Harlem river, N. Y., frt. equald..ton.12.00 • —
Medicine Lodge, Kan., frt. equald..ton.12.50 • —
New Brighton, N. Y., frt. equald..ton.18.00 • —
Saltville, Va., frt. equald ton. 9.00 • —
Southard, Okla., frt. equald.. ton.12.50 • —
Sweetwater, Tex., frt. equald ton.12.50 • —
Stucco, paper bgs., Akron, N. Y., frt. equald..ton. 8.00 • —
Blue Rapids, Kans., frt. equald..ton. 8.00 • —
Clarence Center, N. Y., frt. equald..ton. 8.00 • —
Fort Dodge, Iowa, frt. equald ton. 8.00 • —
Gypsum, Ohio, frt. equald. ton. 8.00 • —
Grand Rapids, Mich., frt. equald ton. 8.00 • —
Harlem river, N. Y., frt. equald..ton. 8.00 • —
National City, Mich., frt. equald..ton. 8.00 • —
New Brighton, N. Y., frt. equald ton. 8.00 • —
Plastereo, Ga., frt. equald.. ton. 8.00 • —
Portsmouth, N. H., frt. equald..ton. 8.00 • —
Gypsum, stucco, paper bgs., Roton, Texas, frt. equald..ton. 8.00 • —
Saltville, Va., frt. equald. ton. 9.00 • —
Southard, Okla., frt. equald. ton. 8.00 • —
Sweetwater, Texas, frt. equald..ton. 8.00 • —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton.22.50 • —
New Brighton, N. Y., works ton.21.00 • —

H

Hawthorn berries, bgs.....lb. .30 • .45
Heliotropin, cryst., cns.....lb. 2.85 • 3.05
Hellebore root, dom., green, bls..lb. .80 • .90
imp., black, whole, bls. .....lb. .20 • .25
ground, bxs. .....lb. .25 • .30
powder, bxs. .....lb. .27 • .32
white, whole, bls. .....lb. .30 • .40
powder, bxs. .....lb. .35 • .45
Helonias root, bls.....lb. 1.65 • 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l. lb. .45½- —
No. 1, bbls., l.c.l.....lb. .44½- —
No. 1A, bbls., l.c.l.....lb. .41½- —
No. 2, bbls., l.c.l.....lb. .40½- —
No. 3, bbls., l.c.l.....lb. .38½- —
No. 4, bbls., l.c.l.....lb. .36½- —
No. 5, bbls., l.c.l.....lb. .34½- —
paste, No. 1, bbls., l.c.l.....lb. .19 • —
No. 2, bbls., l.c.l.....lb. .18 • —
No. 3, bbls., l.c.l.....lb. .17 • —
No. 4, (red), bbls., l.c.l....lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works..lb. No stocks.
tanks, works .....lb. No stocks.
Henbane leaves, bls.....lb. .30 • .40
Henna leaves, bls.....lb. .23 • .25
powd., bbls., bgs.....lb. .27 • .29
Heptane, industrial, Bayonne, N. J., tanks..gal. .16½- —
group 3, tanks.....gal. .12½- .13½
Hesperidin methylchalcone, works. lb.50.00 • —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs. c.l., Perth Amboy or N.Y.C... lb. .22 • —
l.c.l., same basis.....lb. .22½- —
bbls., c.l., same basis.....lb. .24 • —
l.c.l., same basis.....lb. .24½- —
USP, dms., 500 lbs. or more, same basis..lb. .38½- —
smaller lots, same basis....lb. .39½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks. gal. .13½- .14½
Bayonne, N. J., tanks.....gal. .16½- —
Hexanol, normal, dms., c.l., works. lb. .30½- —
l.c.l., works.....lb. .31 • —
tanks, works.....lb. .29 • —
Hexyleneglycol, dms., c.l., dlvd...lb. .14 • —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .12½- —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 • —
Hexylresorcinol, USP, 50 lbs. up, frt. alld..lb.17.00 • —
works .....lb.15.00 -17.00
smaller lots, frt. alld.....lb.18.00 • —
works .....lb.18.00 -20.00
Histamine diphosphate, USP, bots kilo.375.00 • —
Histidine hydrochloride—laevo, NF, fib. dms., 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works.....kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots..oz.15.00 -16.00
Hydrochloride, bots.....oz.20.00 -22.00
Methylbromide, NF.....oz.13.00 -16.25
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton. 7.00 • —
Hops, NF, bls.....lb .40 • .45
Horehound, bls.....lb. .19 • .20
Hydrangea root, bls.....lb. .14 • .17
Hydrastine, bots.....oz.35.00 -37.00
Hydrochloride, NF.....oz.29.50 -36.00
Sulphate, bots.....lb.35.00 -37.00
Hydrastinine, 10-grain bots.....bot. 1.95 • —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. sms., works lb. .30 • .40
Hydrogen peroxide, USP, bbls...lb. .63¾- .65
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19¼
35%, cbys., same basis.....lb. .23½- —
dms., c.l., same basis.....lb. .20½- —
l.c.l., same basis.....lb. .21½- —
tanks .....lb. .19¾- —
Hydroquinone, photographic, bbls., dms lb. .90 • —
tech., dms. .....lb. .70 • —
Hydroxycitronellal, cns. .....lb. 7.10 • 7.55
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots. .....oz.13.75 -16.00
Hydrobromide, bots. .....oz.16.50 -18.00
Sulphate, bots. .....oz.13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 • —
No. 2, bbls., l.c.l.....lb. .48 • —
liquid, No. 1, bbls., l.c.l.....lb. .30 • —
No. 2, bbls., l.c.l.....lb. .25 • —
solid, No. 1, bxs., l.c.l.....lb. .44 • —
Hyssop herb, bgs.....lb. .35 • .45
Leaves, bgs. .....lb .45 • .50

I

Iceland moss, bgs.....lb. .35 • .40
Ichthammol, F, dms.....lb. .60 • .75
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 • 2.16
synth., paste, bots.....lb. .23 • —
powd., bbls.....lb. 1.03 • —
Indol, CP, bots .....lb.17.00 -19.00
Inositol, dms., dlvd.....lb. 4.90 • —
tins, dlvd.....lb. 5.00 • —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs.....lb. 1.52 • —
resubl., USP., bots., jars.....lb. 2.30 • 2.41
Iodochlorohydroxyquinolin, NF, dms. lb. 5.90 —
Iodoform, NF, dms., kgs.....lb. 4.45 4.60
Ionone, alpha, cns.....lb. 6.25 -13.25
beta, cns. .....lb. 6.75 -10.25
Ipecac root, bgs.....lb. 4.30 • 5.00
powd., bgs. .....lb. 4.50 • 5.50
Irish moss, bleached, prime, bls. lb. .16 .18
Iron acetate, liquer, 28° bbls., c.l., works lb. .09 • —
l.c.l., works .....lb. .09¾- —
solut., USP IX, cbys.....lb. .16 • —
djns. .....lb. .17 • —
Cacodylate, NF, bots.....lb.13.50 -14.50
Chloride (ferric), annydr., tech., dms., c.l., works 100 lbs. 5.75 —
l.c.l., works 100 lbs. 6.50 • 7.50
cryst., tech., c.l., bbls., works. 100 lbs. 5.00 • 6.00
l.c.l., bbls., works 100 lbs. 5.50 6.00
USP, dms., works .....lb. .06¾- .08¼
solut., 42 Be, 100% basis, tanks, works. 100 lbs. 3.45 —
Citrate, gran., dms .....lb. .77 • .80
Gluconate, NF, dms .....lb. .83 • .95
Glycerophosphate, N.F., powd lb 4.25 4.35
Hypophosphite, NF, dms .....lb. 2.80 • —
Iodide, bgs .....lb. 3.66 • 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼ 21¾
Oxalate, gran., dms .....lb. .83 .85
Phosphate, soluble, NF, gran. cs. lb. .64 .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 • .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms. frt. alld. lb. .23 • —
Stearate, dms., c.l.....lb. .34 • —
ton lots .....lb. .35 • —
less ton lots .....lb. .36 • —
Sulphate, partially hydrated, bgs., c.l., works ton.28.50 • —
l.c.l., works .....ton.29.50 • —
ferrous, tech. (see Copperas)
USP, cryst., bbls., dms .....lb. .09½- .10
Iron by hydrogen, kgs .....lb. .80 .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 .58
brown, USP, gran., dms .....lb. .55 .58
Oxalate, dms.....lb .25½ .28½
Iron-potassium oxalate fine gran., dms. .....lb. .30½ .33½
Iron-sodium oxalate, fine gran., dms lb. .25½ .28½
Isoborneol, cns. .....lb. .84 • .95
Isobornyl acetate, cns .....lb. .97 1.10
Thiocyanoacetate, dms., c.l., works. gal. 3.85 —
l.c.l., works .....gal. 3.85 4.05
tanks, works .....gal. 4.23 —
Isobutyl acetate, cns .....lb .82 1.25
Methacrylate, dms., works .....lb. .60 • —
Propionate, cns .....lb. No prices
Isobutyraldehyde, dms., works lb .50 .53
Isoeugenol, cns. .....lb. 3.15 • 3.70
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb.2.00 -35.00
Isopentane, dms., works .....lb .45 .55
Isophorone, dms., c.l., works .....lb. .22½- —
l.c.l., works .....lb. .23 • —
tanks, works .....lb. .21 • —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. .....lb. .10½- —
l.c.l., same basis .....lb .11 • .11¼
tanks, same basis .....lb. .09 • —
Alcohol (see Alcohol, isopropyl)
Benzene (see Cumene).
Ether (see Ether, isopropyl)
Isopropylamine, dms., c.l., frt. alld. lb. .24 • —
l.c.l., same basis .....lb .25 • —
tanks, same basis.....lb. .22½- —
Isoquinoline, dms., c.l., works .....lb. .20 —
l.c.l., works .....lb .40 —

J

Jaborandi leaves, bls .....lb. .15 • .20
Jalap root, NF, bls .....lb. .43 • .45
powd., bbls., bxs .....lb. .48 • .50
Resin, NF, powd., bxs.....lb. 6.20 • 6.60
Juniper berries, bgs .....lb. .08 • .18
Tar, USP, dms .....lb. .40 • .65

K

Kamala, powd., cns. .....lb. .54 • .59
Kaolin (see China clay).
Kava kava root, bls .....lb. .25 .30

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Be sure YOUR solvents also offer these advantages:
1. High solids content
2. Freedom from cold check problems
3. Low viscosity formulations
4. Low specific gravity

Powerful Ketone Solvents permit the use of more low cost diluent, without changing the quality of your product

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Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks gal. .06625- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .089 - —
California, 40-43 s.g., w.w., tanks gal. .120 - .158
Gulf ports, 41-43 s.g., w.w., tanks, gal. .086 - .0923
Okla.-Tex. 41-43 s.g. w w. tanks gal. .085 .09
Penn., Western, 43 s.g., w.w., tanks gal. .095 - .10
Kola nuts, ogs lb 08 - .10
Kyanite, imp. low iron content, 10-mesh, whse ton 85.00 - 95.00
calcined, grain, 10-mesh, whse ton 95.00 - 105.00

L

Lady slipper root, bls lb 1.50 - 1.75
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .26 - .31
hydrous lb. .27 - .29
Lard, cash, trcs., Chicago lb. .1250- —
Larkspur seed, bgs lb. .30 - .35
Laurel berries bls lb .25 .26
Leaves, Greek, bls lb. .08 - .08½
Turkish, bls. lb. .11 - .11½
Yugoslavian, bls lb. .10 - .10½
Lauryl methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 .60
ordinary, bls. lb. .16 - .20
select, bls lb .60 .65
Lead acetate white, crystals, bbls., lb. .19 —
gran., bbls. lb. .19¾ - —
powd., bbls. lb. .19¾ - —
USP, cryst., dms lb. .20 - —
gran., powd., dms lb. .20¾ - —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .25 - .27
l.c.l., frt. alld lb. .26 - —
1-lb. bgs., c.l., frt. alld lb. .33 - .38
l.c.l., frt. alld. lb. .34 - .39

Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.

Blue basic sulphate, bbls., c.l., ship't point, frt. alld lb. .12¾ - —
l.c.l., works lb. .13¾ - —
Carbonate (see Lead, white).
Chloride, dms lb. .39 - —
Iodide, NF V, jars lb. 3.30 - —
Linoleate liq 15% Pb. dms., frt. alld lb. .29¼ - —
Metal, pigs, prime, N. Y. lb. .1200- —
St. Louis lb. .1180- —
Metallic paste, dms., 20,000 40,000 lbs., works lb. .27 - —
10,000-20,000 lbs., same basis lb. .27½ - —
2,000-10,000 lbs., same basis lb. .28 - —
100 to 2,000 lbs., same basis lb. .28½ - —

Prices ex whse, Jersey City, N. J., 4½c. per pound higher

Naphthenate liquid, 16% pb, dms., dlvd lb. .14¾ - —
24% Pb, dms., dlvd lb. .19¾ - —
37% Pb, dms., dlvd lb. .26 - —
Nitrate, bbls., c.l. lb. .19 - —
l.c.l. lb. .19¼ - —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½ - —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .38 - .39
Phthalate dibasic dms. works lb. .37½ - —
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .14¾ - —
l.c.l., same basis lb. .15¾ - —
97%, Pb_3O_4, bbls., c.l., same basis lb. .15 - —
l.c.l., same basis lb. .16 - —
98%, Pb_3O_4, bbls., c.l., same basis lb. .15¼ - —
l.c.l., same basis lb. .16¼ - —
Resinate, precip., dms., dlvd lb. .25 - —
Salicylate, normal, dms., works, lb. .41¾ - —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .14¾ - —
Stearate, dibasic, dms., works lb. .50¼ - —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate)
tribasic, dms., works lb. .24¼ - —
Tallate, liquid, 16% Pb, dms. lb. .12½ - —
solid, 30% Pb, dms lb. .19¼ - —
White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .14¾ - —
l.c.l., same basis lb. .15¾ - —
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .13¾ - .16¼
l.c.l., same basis lb. .14¾ - .17¼
basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .13¼ - —
l.c.l., same basis lb. .14¼ - —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .16 - —
l.c.l., same basis lb. .18½ - —
unbleached, c.l., same basis lb. .15 - —
l.c.l., same basis lb. .17½ - —
Lemon peel, bls lb. .20 - .25
Leucine, dextro-laevo, dms., works lb 23.00 - 35.00
Licorice extract, mass, cns lb. .40 - .45
powd., bbls. lb. .55 - —
Root, bls lb. .08 - .09
5-lb bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼ - .06½
Lime, agricultural, bgs., works ton 13.00 - 13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton 10.50 - —
Bellefonte, Pa. ton 10.50 - —
Buffalo N. Y. ton 10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa ton 10.50 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo ton. 7.50 - —
Keystone, Ala ton 9.75 - —
Knoxville, Tenn ton. 9.75 - —
Limedale, Ark ton. 9.00 - —
Longview, Ala. ton. 9.75 - —
Martinsburg, W. Va ton 10.00 - —
Menominee, Mich ton. 8.00 - —
Mitchell, Ind ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Sherwood, Tenn ton 10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton 10.50 - —
Hydrated, paper bgs., Adams, Mass. ton 11.50 - —
Annville, Pa. ton 13.50 - —
Bellefonte, Pa. ton 13.50 - —
Buffalo, N. Y. ton 13.50 - —
Carey, Ohio ton. 9.00 - —
Lime, hydrated, Cedar Hollow, Pa. ton 13.50 - —
Engle, W. Va. ton 13.00 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 9.50 - —
Hannibal, Mo. ton. 9.50 - —
Keystone, Ala ton 13.00 - —
Knoxville, Tenn ton 12.25 - —
Limedale, Ark ton 10.50 - —
Longview Ala ton 13.00 - —
Manistique, Mich ton. 9.50 - —
Marblehead, Ohio ton 10.50 - —
Mitchell, Ind. ton 10.00 - —
Petoskey Mich ton 10.00 - —
Port Island, Mich ton. 9.00 - —
Rapid City S Dak. ton 12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton. 9.00 - —
Sherwood, Tenn ton 13.00 - —
Sherwood, Wis ton 10.00 - —
Springfield, Mo. ton 9.00 - —
Woodyville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —
Spray, paper bgs. Adams, Mass. ton 11.70 - —
Annville, Pa ton 13.50 - —
Bellefonte, Pa ton 13.50 - —
Carey Ohio ton 11.00 - —
Engle, W Va ton 13.00 - —
Farnams, Mass ton 14.00 - —
Gibsonburg, Ohio ton 10.00 - —
Marblehead, Ohio ton 10.00 - —
Rockland, Me ton 10.00 - —
Scioto, Ohio ton 10.00 - —
Woodville, Ohio ton 10.00 - —
York, Pa ton 13.50 - —
Lime salts (see Calcium)
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone)
Limestone, grd. bgs., works ton 3.50 4.00
Linalool, ex bois de rose lb. 5.40 - 5.50
ex lignaloe wood lb 6.50 7.00
Linalyl acetate, 90-92%, bots. lb. 5.50 - 5.55
96-98%, bots. lb. 6.35 - 6.50
ex petitgrain bots lb 4.25 6.00
Lindane, 25%, cns., works lb. 3.00 - 3.05
dms., works lb. 2.95 —
Linden flowers with leaves, bls. lb. .22 .25
without leaves, bls lb. .22 .28
Linseed meal, expeller, 34% bulk, Midwest mills ton. 67.00 - 68.00
extracted, 34%, same basis ton. 63.50 - 64.00
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .13¾ - —
l.c.l., same basis lb. .14¾ - —
Lithium benzoate dms lb 1.65 —
Bromide, NF bbls., works, frt. equald lb 1.90 —
Carbonate, NF bbls. kgs lb 1.10 1.15
Chloride, cryst., dms lb. .93 —
Citrate, NF, bbls., dms., kgs lb. 1.25 1.40
Fluoride, bbls lb. 1.80 2.00
Hydride, dms., works lb. 14.00 - 18.50
Hydroxide, dms lb. 1.00 1.25
Salicylate, dms lb 1.62 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .06¼ - —
l.c.l., dlvd lb. .06⅝ - .07¼
Titanated (high-strength), bgs., c.l., dlvd. lb. .06¼ - —
l.c.l., dlvd lb. .09¼ - —
Lithopone prices, Pacific Coast, lc. per lb. higher.
Liverwort leaves, bls lb. .70 - .75
Lobelia herb, bls lb. .85 - .90
leaves, NF lb. .90 .93
Lobeline sulphate, bots., works oz. 34.00 - 36.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½ - —
No 2, bbls. l.c.l. lb. .36½ - —
liquid, No. 1, bbls., l.c.l. lb. .18½ - —
No. 2, bbls., l.c.l. lb. .17½ - —
No 3, bbls., l.c.l. lb .17 — —
No. 4, bbls., l.c.l. lb. .16½ - —

Kerosene—Magnesium Carbonate

Logwood extract, solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½ - —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. 28½ - —
No. 6, bxs., l.c.l. lb 44½ .49½
Lovage root, imp., bls. lb 1.00 1.10
Lupulin, tins lb 1.95 2.00
Lycopodium, cs. lb. 1.30 - 1.50
Lysine hydrochloride, dextro-laevo. Vilo. 145.00 - 149.00

M

Mace, Amboyna, bls lb 73 .74
Banda, No. 1, bls lb 1.05 Nom.
Siauw, No. 1, bbls lb. .86 - .87
West Indian, bls lb. .78 - .79
broken, bls lb. 75 .76
Madder Dutch, bgs lb 29 .39
Magnesia, calcined, tech., ctns., works lb. .32 —
synth. rubber grade, ctns., works lb. .29 .31
USP, light ctns lb 34 —
heavy, bbls lb 26 —
Magnesium arsenate, bgs., cans, works lb. .20 .30
Bromide, jars lb 80 1.00
Carbonate, tech., bgs. c.s., frt. equald lb. .09 —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb 10¼ - —
l.c.l., frt. alld. lb 11¼ - —
kgs., c.l., frt. equald lb 11½ - —
l.c.l., frt. alld. lb 12½ - —

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BUFFALO 7, NEW YORK
New York Boston Philadelphia Chicago Charlotte

Magnesium Carbonate, USP—Mica

Magnesium carbonate, USP, bgs., l.c.l., frt. equald ..... lb. .10¾ - —
l.c.l., frt. alld ..... lb .11¾ - —
bbls., c.l., frt. equald ..... lb. .11¼ - —
l.c.l., frt. alld ..... lb .12¼ - —
kgs., c.l., frt. equald ..... lb. .12½ - —
l.c.l., frt. alld ..... lb .13½ - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Gloucestershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., dms., works lb. .12¼ - —
flake, bbls. c.l., works ..... ton 44.00 —
l.c.l., works ..... ton 44.00 - 46.00
Gluconate, dms., cns ..... lb. 1.86 - 1.93
Glycerophosphate, dms. works. lb 4.85 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs. lb. .29 - .30
Hypophosphite, dms. lb 1.60 —
Laurate, bbls ..... lb. .46 - .47
Metal, 99.8% ingots, cs., works. lb. .20½ - —
sticks, cs., works ..... lb. .34 - .39
Oleate, fused, bbls ..... lb. .31 —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works ..... lb. .09 - .10
Stearate, ctns., c.l ..... lb .35 - —
smaller lots ..... lb .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms. 1,000-lb. lots lb. .42 - —
100-lb. lots ..... lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton 67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton 33.00 - —

Maleic anhydride, dms., c.l., dlvd., lb. .30 - —
l.c.l., dlvd. ..... lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls ..... lb. 1.00 - 1.25
Blue, bls. ..... lb. .95 1.10
Leaves, bls. ..... lb. .30 - .35
Manaca root, bls ..... lb. .49 .50
Mandrake root, bls ..... lb. .40 - .45
Manganese acetate, bbls. ..... lb. .32 —
Arsenate, bgs. ..... lb. .12 - .12½
Borate, tech., bbls ..... lb .23 - —
Carbonate, bbls., works ..... lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works ton 78.00 —
smaller lots, works ton 74.00 - 84.00
Gluconate, dms., cns ..... lb. 1.86 - 1.93
Glycerophosphate, NF fib. dms lb. 4.15 4.25
Hydrate, bbls., works ..... lb. .34 - —
Hypophosphite, NF, dms lb. 2.00 —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼ - —
solid, precip., 8.2% Mn, bbls., lb. 41½ —
Metal, cs., dlvd. East ..... lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. allowed ..... lb. 22¾ - .23¼
Oleate, precip, bbls ..... lb. 33½ - —
Resinate, fused, 3½% Mn, dms. precip., dms ..... lb. .21½ - —
Stearate, ctns., c.l ..... lb. .35 - —
smaller lots ..... lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ton 63.00 - —
l.c.l., dlvd. S. E. ..... ton 70.00 - —
feed grade, 80% bgs., dlvd. S. E lb. 05¼ - .07
75%, bgs., c.l., dlvd. S. E. ton 72.50 - —
l.c.l., dlvd. S. E ..... ton 79.50 - —
Tallate, liquid, 4% Mn, dms .. lb. No prices.
solid, 8% Mn, dms ..... lb. No prices.

Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ton. 62.00 - 63.00
Manna, flake, large, cs ..... lb. 1.10 - 1.35
small, cs ..... lb. .85 1.00
Mannitol, com'l, dms., works ..... lb. .40 - .43
reagent, 50-lb. dms., works ..... lb .85 —
Marjoram, Argentine, bls ..... lb 14 Nom.
Bohemian, bls. ..... lb. .40 - .40½
Chilean, bls ..... lb. .50 Nom.
French, bls. ..... lb. .50 - .50½
Matico leaves, bls ..... lb .25 - .33
Melamine, bgs., ton lots, works. lb. .33 —
500 lbs. or more, works ..... lb. .33½ - —
less 500 lbs., works ..... lb. .33½ - —
Menadione, USP, bots ..... gram. .06½ - —
Menthol, natural, USP, bots .... lb. 10.60 - 10.75
synthetic, USP, racemic, cns .. lb. 7.25 Nom.
Menthyl salicylate, tins ..... lb. 4.00 4.25
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, ton lots, works, frt. allowed, ton lots lb. .27 - —
less ton lots, same basis lb .29 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms. ..... lb. 2.13 2.15
Chloride (see Calomel).
Cyanide, NF, crys., powd., fib. dms lb. 3.27 - 3.32
Iodide, red, NF, dms ..... lb. 4.07 - —
Yellow, NF, fib, dms ..... lb. 4.22 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow mercury oxide).
USP, fib. dms. ..... lb 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd ... lb. .13 - —
l.c.l., dlvd ..... lb. .13½ - —
tanks, dlvd ..... lb. 11½ - —
Metaldehyde, dms., works ..... lb. .78 1.00
Metachloraniln, dms., works ..... lb 75 - —
Metacresol, 98%, dms., c.l., works. lb. .55 - —
l.c.l., works ..... lb. .56 - —

Metaparaisopropylphenol, dms., c.l., lb. .21 - —
l.c.l. ..... lb. .22 - —
tanks ..... lb. .20 - —
Metanitroparatoluidin, bbls. ..... lb. 1.28 - —
Metaphenylenediamine, kgs. ..... lb. .75 - —
Metatoluidine, bbls., works ..... lb. .80 - —
Metatolylenediamine, kgs ..... lb. .85 - —
Methanol, natural, dms., c.l., frt. allowed ..... gal. .58 - —
l.c.l., frt. allowed ..... gal. .61 - —
tanks, frt. allowed ..... gal. .59 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, zone 1, dms., c.l., frt. allowed ..... gal. .38 - —
l.c.l., frt. allowed ..... gal. .41 - —
tanks, frt. allowed ..... gal. .26 - —
zone 2, dms., c.l., frt. allowed ..... gal. .43½ - .45
l.c.l., ex whse ..... gal. .47½ - —
tanks, frt. allowed ..... gal. .29½ - .31
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms. frt. allowed, 50-lb. or more lb. 4.35 - —
feed grade, 98% same basis. lb. 3.00 - —
97% same basis ..... lb. 2.97 - —
Methoxychlor, dealers, dms., cs. works lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb 17 - —
l.c.l., same basis lb 17½ - —
Methyl abietate, hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼ - —
l.c.l., same basis lb 17¾ - —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Acetoacetate, dms., c.l., dlvd lb. .53 - —
l.c.l., dlvd ..... lb. .54 - —
tanks, dlvd ..... lb. .51½ - —
Methyl acetoacetate prices frt. allowed W., ½c. higher
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. allowed gal. .60 - —
l.c.l., same basis gal. .71 —
Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher
Group B dms., incl., E. Miss., frt. allowed, any quantity gal. .80 —
synthetic, dms., c.l., works, frt. allowed, E gal. .53 - —
frt. allowed, W gal. .57 - —
l.c.l., works, frt. allowed, E gal. .56½ - —
frt. allowed, W gal. .60½ - —
tanks, works, frt. allowed, E gal. .43½ - —
frt. allowed, W gal. .47 - —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four
Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
Alconol (see Methanol).
Anthranilate, 100 lbs. or more lb. 2.10 2.90
extra ..... lb. 4.00 4.40
Benzoate, cns ..... lb. .55 - 1.20
Bromide, dealers, cns ..... lb. .69 - .71
cyls ..... lb .60 .78
Chloride, indust., cyl., works lb .17 - —
tanks, multi-unit, works lb 13 - —
single-unit works lb. 16½ - —
refrigerator mfrs., cyls., dlvd lb. .37 - —
other consumers or service men, cyls., dlvd lb 42 —
Cinnamate, cns ..... lb. 1.48 - 1.65
Cyclohexanol, dms., c.l., works lb. .24 - —
l.c.l., works ..... lb. .25 - —
tanks, works ..... lb. .23 - —
Formate, refd., dms ..... lb. .35 .40
tech., non-ret. dms., any quantity, works lb. .32 —
tanks, works ..... lb. .07 —
Iodide, bots., works ..... lb. 3.65 - 4.78
cbys., works ..... lb. 2.80 - 3.00
Lactate, dms., l.c.l., works lb .35 —
Methacrylate, dms., c.l. and truckload, works lb. .44½ - —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 2.20
fib dms lb 1.90 2.00
Roseanilin chloride, USP, bots lb 5.15 5.30
Salicylate, USP, dms., 300 lbs lb. .42 - —
cans, 25-50 lbs. ..... lb. .47 - —
Testosterone, USP, 100 gms .. gm 3.50 —
Methylheptin carbonate, bots .... lb. 35.00 - 58.00
Methylal, refined, 95%, dms., c.l., works lb. .11 —
l.c.l., works lb 12 —
tanks, works lb 09 —
Methylamyl acetate, dms., c.l., dlvd lb. 13 - —
l.c.l., dlvd ..... lb. 13½ - —
tanks, dlvd ..... lb. 11½ - —
Ketone, dms., works ..... lb. .93 - —
Methylcellulose, special vis., 4,000 cps.), fib ctns., c.l., frt. allowed. lb 68 —
2,000 lbs and more, same basis lb 70 —
smaller lots frt allowed on 100 lbs. lb 73 .80
standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. allowed lb. 62 - —
2,000 lbs and more, same basis lb 63 —
smaller lots frt allowed on 100 lbs lb 68 .73
Methylene blue, USP, 100-lb lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs., same basis lb 3.02 3.22
Chloride indust, dms., c.l., dlvd, E lb. 12½ - —
l.c.l., dlvd E ..... lb 13½ - —
tanks, dlvd E ..... lb 11½ - —
Methylethyl ketone, dms., c.l., dlvd lb 10½ - —
l.c.l., dlvd ..... lb .11 - —
tanks, dlvd ..... lb .09 —
Methylionone, A, cns ..... lb 6.35 8.00
D, cns ..... lb 7.50 9.55
arome, cns ..... lb 4.35 6.40
Methylisobutyl carbinol (see Carbinol methylisobutyl)
Ketone, dms., c.l., dlvd ..... lb 12½ - —
l.c.l., dlvd ..... lb .13 - —
tanks, dlvd ..... lb 11 - —
Methylnaphthyl ketone, cns lb 3.00 3.75
Methylparaben (see Methylparahydroxybenzoate)
Methylpentanediol (see Hexyleneglycol)
Methylphenylpyrazolone, dms., dlvd. lb. 1.40 1.45
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03½ - —
roofing, 20 to 80 mesh, works lb 03½ - —
wet-grd., biotite, bgs., c.l., works, frt. allowed, E lb. .05¾ - —
l.c.l., ex whse., or frt allowed, E lb. .06½ - —
extra fine, bgs., c.l., works, frt. allowed, E lb. .05¾ - —
l.c.l., ex whse. or frt. allowed, E lb. .06½ - —

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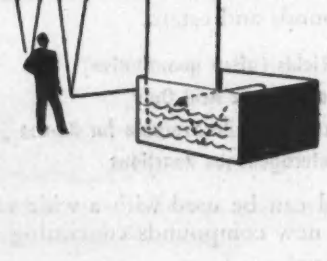

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CHEMICALS
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Mica, wet-grd., paint or lacq., bgs., c.l., works, frt. alld., E ..lb. .07¼ - —
t.c.l., ex whse or frt. alld. E ..lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E ..lb. .07 - —
t.c.l., ex whse or frt. alld. E ..lb. .07¾ - —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼ - —
t.c.l., ex whse. or frt. alld. E ..lb. .08 - —
white, extra fine, bgs., c.l., works, frt alld. E ..lb. .07¼ - —
t.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., W of Rockies, 1c. higher
Milk powder skimmed, roller, bbls., c.l. ..lb. .10½ - .10¾
spray, bbls., c.l. ..lb. .12¼ - .12¾
Whole, roller, bbls., c.l. ..lb. .28 - .33
spray, bbls., c.l. ..lb. .28½ - .35½
Sugar, crude, bgs., c.l., works lb. .16¼ —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots ..lb. .22¾ - —
200-1,800-lb. lots ..lb. .23¼ - —
USP, bbls., works, 30,000-lb. lots ..lb. .26 - —
2,000-lb. lots ..lb. .26¾ - —
200-1,800-lb. lots ..lb. .27¼ - —
Molasses, blackstrap, tanks ..gal. .06 - —
New Orleans, tanks ..gal. .07 - —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal 99% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .93 —
technical, kgs., works, basis Mo. content lb. .80 —
Monochlorobenzene dms., c.l., works, frt. alld lb. .07 - .08
t.c.l., works, frt. equald ..lb. .06 - .09
tanks, works, frt equald lb. .06 - .06½
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 —
t.c.l. same basis ..lb. .28 - —
tanks, same basis ..lb. .25½ - —
Monoethylamine dms., c.l., frt. alld. basis 100% lb. .21½ - —
t.c.l., same basis ..lb. .22½ - —
tanks, same basis ..lb. .20 —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .33 —
t.c.l., same basis ..lb. .35½ - .36
tanks, same basis ..lb. .31 —
Monomethylaniln, dms., works lb. .70 —
Monononylnaphthalene, dms., c.l., works lb. .14 —
t.c.l., works ..lb. .15 - —
tanks, works ..lb. .13 —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic)
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .80 —
t.c.l. works ..lb. .81 —
tanks, works ..lb. .49 —
Morphine, cns. ..oz. 12.35 - 12.40
Acetate, cns. ..oz. 9.85 - 9.90
Hydrobromide, cns. ..oz. 9.80 —
Hydrochloride, NF, cns ..oz. 9.90 —
Sulphate USP cns ..oz. 9.90 —
Morpholine, dms., c.l., works ..lb. .60½ - —
t.c.l., works ..lb. .61 - —
tanks, works ..lb. .59 - —
Mountain ash berries, bgs ..lb. .65 - .75
Mullein flowers, cs ..lb. 1.15 - 1.20
Leaves, bls. ..lb. .16 - .18
Musk, nat., Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs. ..lb. 5.40 —
25 lbs ..lb. 5.50 —
5 lbs ..lb. 5.65 —
Ketone, 100 lbs. ..lb. 4.95 —
25 lbs. ..lb. 5.05 —
5 lbs ..lb. 5.20 —
Xylol, 100 lbs ..lb. 1.40 —
25 lbs. ..lb. 1.45 —
5 lbs ..lb. 1.55 —
Musk root, bls ..lb. No prices.
Mustard seed, Calif., brown, f.o.b. source ..lb. .07¼ - .07½
Danish, bgs., futures ..lb. .10½ - .11
Dutch, yellow, bgs., futures ..lb. .11 - .11½
English, yellow, bgs ..lb. .11½ - .12
Montana, brown, Sept.-Oct., bgs., source ..lb. .05 - .05½
Oriental, Sept.-Oct., bgs., source ..lb. .05 - .05¼
yellow, Sept.-Oct., bgs. source ..lb. .08½ - .09
Washington, yellow, source, bgs. lb. .11 - .11½
Myrobalans, J1, assorted, ex dock. ton. 52.00 —
crushed, ex dock ..ton. 76.50 —
J2, ex dock ..ton. 42.00 —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.)
Solvent (see S)
Naphthalene, dom., crude, 74° bgs., bbls., frt. equald ..lb. .07 - —
tanks, same basis ..lb. .0425 - —
78°, bgs., c.l., works, frt. equald ..lb. .0535 - —
t.c.l., same basis ..lb. .0560 - —
bbls., c.l., same basis ..lb. .0535 - —
t.c.l., same basis ..lb. .0560 - —
dms., c.l., same basis ..lb. .0650 - —
t.c.l., same basis ..lb. .07 - —
tanks, same basis ..lb. .0475 - —
refined, industrial, bbls., c.l., frt. equald ..lb. .09 - —
bgs., c.l., same basis ..lb. .08½ - —
tanks, same basis ..lb. .08 - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .11 - —
cs., 50 lbs., c.l., same basis ..lb. .11¼ - —
1-lb pkgs., c.l., same basis lb. .14 - —
imported, crude, 78°, 100-ton lots lb. .03¾ - —
refined, 30,000-lb. lots ..lb. .09½ - —
smaller lots ..lb. .09¾ - .10½
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.25
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y ton. 14.25 —
pottery, 200 mesh, bulk, Rochester, N. Y ton. 18.25 —
Nepheline syenite in bgs., $5 per ton higher than bulk
Nerolin, cns. ..lb. 2.05 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd ..lb. .50 —
Carbonate, bbls., dlvd ..lb. .48 - .50
Chloride, bbls., dlvd ..lb. .23 —
Cyanide, bots., dms ..lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd ..lb. .43½ —
Metal, electro cathodes, cs ..lb. .40 —
Nitrate, bbls., works ..lb. .24½ - .25½
Oxide, black, bbls ..lb. .42 - —
Sulphate, bgs., c.l., dlvd ..lb. .16 - —
t.c.l., dlvd ..lb. .16½ - —

Nicotinamide, USP, dms., frt. adjusted ..kilo. 11.00 - 11.30
Hydrochloride, dms., frt. adjusted ..kilo. 10.50 - 10.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm. 49.40 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 ..tin. 10.45 - —
Nikethamide, bots., cbys ..lb. 5.50 - 5.60
Nitercake, bulk, works ..ton. No stocks.
Nitrobenzene, chl. dist., dms., c.l. ..lb. .09 - .09½
t.c.l. ..lb. .10 - .11
tanks ..lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .29 - —
t.c.l., same basis ..lb. .29 - .31
18-25 cps., 250-400 sec., and 600-1,000 secs., bbls., c.l., same basis ..lb. .30 - —
t.c.l., same basis ..lb. .31 - .33
spirit-soluble, 30-35 cps, ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis ..lb. .32 - —
t.c.l., same basis ..lb. .33 - .35
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., works ..lb. .90 - —
Nitrogen solution, tanks, work., N. ton. 120.00 - 125.23
Nitrogenous process tankage, bulk, works, ammo., ship't. unit-ton. 3.90 - 4.00
Sewage sludge, bulk, works, unit ton. 3.55 + .40
Nitromethane, dms., t.c.l., works lb. .30 - —
Nitropropane, 1, dms., works ..lb. .30 - —
2, dms., works ..lb. .30 - —
Nonylphenol, dms., c.l., works lb. .26 - —
t.c.l., works ..lb. .27 - —
tanks, works ..lb. .25 - —

Nutgalls, Aleppo, bgs ..lb. .38 - —
Chinese, bgs. ..lb. .32 - —
Istrian, bgs ..lb. .31 - —
Nutmeg, East Indian, bgs ..lb. .46 - .47
futures, bgs. ..lb. .46 - .47
West Indian, bgs ..lb. .34 - .35
futures ..lb. .31 - .31½
Nux vomica, bls. ..lb. .10 - .12
powdered, bbls., bxs ..lb. .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 - —
t.c.l. ..gal. .21 - .60
tanks ..gal. .15½ - —
10°C., b.r. Bayonne, N.J., tanks. gal. .16½ - —
Octanol, normal, tech., dms., c.l., dlvd. lb. .34½ - —
t.c.l., dlvd ..lb. .36½ - —
tanks, dlvd ..lb. .32 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns ..lb. 2.95 - 3.50
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.F.A., bots ..lb. 2.40 - 3.00
NF, bots. ..lb. 3.50 - 3.65
Sweet, dms., cns ..lb. .70 - .95
Amyris, dms ..lb. 1.55 - 1.95
Angelica root, bots ..lb. 75.00 - 100.00
Seed, bots ..lb. 80.00 - 100.00
Anilin (see A).
Anise, USP, Chinese, dms ..lb. .95 - 1.10
Apricot kernel, USP, dms ..lb. .44 - .60
Avocado, cns., dms ..lb. 1.00 - 1.10
Babassu, crude, tankcars ..lb. .16¼ - —

Oil, bay, NF, Puerto Rican, 50-55%, cas lb. 1.20 - 1.50
55-60%, cns. ..lb. 1.20 - 1.60
West Indian, 50-55%, cns. ..lb. 1.20 - 1.60
Bergamot, artif., cns ..lb. 2.00 - 2.25
natural, Italian, cns ..lb. 4.40 - 4.75
Birchtar, crude, cns ..lb. .80 - 1.75
rectified, NF, cns ..lb. 4.10 - 4.25
Bois de rose, Brazil ..lb. 3.45 - 3.95
Mexican (see Oil, lignaloe wood)
Bone, dms., works ..gal. .65 - .70
Cajeput, tech., dms ..lb. 1.65 - 2.00
redistilled, USP, cns ..lb. 2.20 - 4.50
Calamus, cns ..lb. 20.00 - 25.00
Camphor, sassafrassy, dms ..lb. .23 - .50
white, dms. ..lb. .24 - .40
Cananga, native, cns ..lb. 4.50 - 4.60
rectified, cns. ..lb. 5.00 - 5.50
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns ..lb. 3.25 - 4.00
Cardamom, NF, bots ..lb. 50.00 - 65.00
Cassia, USP, cns ..lb. 2.30 - 2.95
Castor, blown, dms., c.l ..lb. .21¼ - —
dms., t.c.l. ..lb. .21¾ - —
dehydrated, bodied, dms., c.l ..lb. .23 - —
t.c.l. ..lb. .23½ - —
tanks ..lb. .22 - —
unbodied, dms., c.l ..lb. .22 - —
t.c.l. ..lb. .22½ - —
tanks ..lb. .21 - —
hydrogenated, dms., c.l., works. lb. .27 - —
t.c.l., same basis ..lb. .28 - —
No. 3, tech., dms., c.l ..lb. .18 - —
t.c.l. ..lb. .18½ - —
tanks ..lb. .17 - —
sulphonated, 50% (48% fat), dms. lb. .12 - .14
75% (60-62% fat), dms ..lb. .15¾ - .16¾
tech., No. 1, Brazilian, tanks. lb. .16 - .16¼

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When you order from Baker, 93 years of know how insures top quality . . . superior because of uncompromising standards and rigidly maintained chemical controls.

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REFINED CASTOR OILS
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CASTORWAX* (hydrogenated castor oils)
RICINOLEATE ESTERS (plasticizers)
CASTOR OIL FATTY ACIDS
FINE CHEMICALS

ESTABLISHED 1897
THE baker CASTOR OIL COMPANY
LOS ANGELES 120 BROADWAY, NEW YORK 5, N. Y. CHICAGO
*REG. U.S. PAT. OFF.

Oil, Castor, USP—Oil, Theobroma

Oil, castor, USP, standard, dms., c.l.	lb.	.19¼-	—
l.c.l.	lb.	.19¾-	—
tanks	lb.	.18¼-	—
refined and deodorized, dms., c.l.	lb.	.20¾-	—
l.c.l.	lb.	.21¼-	—
Cedarleaf, USP, dms.	lb.	1.75	- 2.00
Cedarwood, cns.	lb.	.40	- .55
dms.	lb.	.32	- .50
Celeryseed, bots.	lb.	15.00	-18.50
Chaulmoogra, NF, cns., dms.	lb.	.55	70
Chinawood (see Oil, tung).			
Cinnamon bark, bots.	lb.	22.00	-62.00
Leaf, Ceylon	lb	1.50	1 75
Citronella, Ceylon, cns.	lb.	1.10	- 1.35
Java-type, cns.	lb.	1.70	- 2.10
Clove, USP from buds, cns., dms.	lb.	1.60	- 1.70
Coconut, crude, tanks, Atlantic ports	lb.	.15½-	—
Pac. Coast	lb.	.14½-	—
refined, Cochin type, tax incl., dms., l.c.l.	lb.	.22	- —
deodorized, tax incl., dms., l.c.l.	lb.	.24½-	—
Cod, Newfoundland, dms.	lb.	.07½-	.08⅛
Codliver, USP, dms.	gal.	1.40	- 1.55
Coriander, bots.	lb.	19.00	-30.00
Corn, crude, tanks, works	lb.	.14¾-	.14⅞
foots, acid, 95%, tanks, dlvd. E	lb.	.05¾-	—
raw, 50%, tanks, dlvd. E	lb.	.02	- —
refined, dms., New York	lb.	.19	- .19½
tanks, same basis	lb.	.17¾-	—
Costus, bots.	oz.	19.75	- —
Cottonseed, crude, tanks, Southeast and Valley	lb.	.14⅞-	—
foots, acid 95%, tanks, dlvd. E	lb.	.04¼-	.04½
raw, 50%, tanks, dlvd. E	lb.	.02	- —
refined, dms.	lb.	.20¼-	.20¾
tankcars	lb.	.18⅜-	—
Oil, creosote (see Creosote, coaltar).			
Croton, NF, cns.	lb.	4.75	- 5.50
Crude (see Petroleum, crude).			
Cubeb, cns.	lb.	7.00	- 7.50
Cumin, bots.	lb.	3.90	- 7.00
Cypress, bots.	lb.	11.00	-15.00
Degras (see D).			
Dillseed, bots	lb	7.00	- 9.50
Dillweed, bots., dms.	lb.	5.95	- 7.10
Dip (see D).			
Erigeron, cns	lb.	5.00	5.25
Eucalyptus, rectified, USP, 80-90%, cns.	lb.	.72	- .95
70-80%, cns.	lb.	.60	- .70
Fennel, sweet, cns.	lb.	2.45	- 3.25
Fir, Canada, cns.	lb.	2.10	- —
Fishliver, crude, for feeds for concentrating, 6,000 to 12,000 A units, dms	1,000,000 units.	.10	- .11
15,000 to 20,000 A units, dms.	1,000,000 units.	.11	- .12
25,000 to 33,000 A units, dms.	1,000,000 units.	.12½-	.13½
40,000 to 55,000 A units, dms.	1,000,000 units.	.14	- .16
Market prices on crude fishliver oil dependent upon conversion factor.			
prime, natural, or concentrate, 100,000 A units, dms..	1,000,000 units.	.1674-	—
200,000 A units, dms	1,000,000 units.	.1767-	—
300,000 A units, dms	1,000,000 units.	.1900-	—
400,000 A units, dms	1,000,000 units.	.2090-	—
500,000 A units, dms	1,000,000 units.	.2185-	—
700,000 A units, dms	1,000,000 units.	.2280-	—
Prices above are based on the USP XIII method of conversion, E x 1894.			
Oil, fishliver, prime, natural, or concentrate, 100,000 A units, dms..	1,000,000 units.	.18	- —
200,000 A units, dms	1,000,000 units.	.19	- —
300,000 A units, dms	1,000,000 units.	.20	- —
400,000 A units, dms	1,000,000 units.	.22	- —
500,000 A units, dms	1,000,000 units.	.23	- —
700,000 A units, dms	1,000,000 units.	.24	- —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.			
Fuel (see Petroleum fuel oil).			
Fusel (see F).			
Garlic, pure, bots.	oz.	8.00	- 9.00
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns.	lb.	14.50	-16.25
Bourbon, cns.	lb.	16.50	-18.50
Turkish (see Oil, palmarosa)			
Ginger, dist., bots.	lb.	22.00	-25.00
Grapefruit	lb.	.65	- 1.25
Grease, No. 1, dms.	lb.	.10¾-	.11¼
extra, Winter, strained, dms.	lb.	.12	- .12½
prime, burning, dms.	lb.	.13	- .13½
Guaiacwood, cns.	lb.	1.65	- 1.90
Hemlock, cns.	lb.	1.75	- 2.00
Herring, crude, tanks, Pac. coast.	lb.	No prices.	
Juniper berry, NF VIII, bots.	lb.	3.00	- 3.10
twice rectified	lb.	3.75	- 7.00
Tar, USP (see Juniper tar).			
Wood, tech., cns.	lb.	.65	- 1.00
Lard (see Oil, grease).			
Laurel, bots.	lb.	9.75	-12.50
Lavandin, cns.	lb.	1.40	- 1.85
Lavender flower, French, 40-42% ester, cns.	lb.	3.85	- 4.75
38-42% ester, cns.	lb.	3.15	- 4.10
30-32% ester, cns.	lb.	2.10	- 3.25
Spike, Spanish, cns.	lb.	1.15	- 1.25
Oil, lemon, USP, Calif., cns.	lb.	2.95	- 3.25
Messina	lb.	2.85	- 3.25
terpeneless, bots	lb.	32.00	-65.00
Lemongrass, cns., dms.	lb.	2.65	- 3.00
Lignaloe, Brazilian (see Oil, bois de rose).			
Mexican, cns.	lb.	3.35	- 5.20
Lime, distilled, Mexican, cns.	lb.	6.00	- 6.75
West Indian, cns.	lb.	6.25	- 7.25
expressed, West Indian, cns.	lb.	13.00	-13.50
terpeneless, bot.	lb.	45.00	-65.00
Linseed, raw, dms., c.l., Zone 3.	lb.	.1810-	—
l.c.l.	lb.	.1670-	.1910
tankcars	lb.	.1670-	.1690
tankwagon	lb.	.1700-	.1720
Boiled (linseed oil .007 higher than raw			
Mace, dist., cns., dms.	lb.	3.30	- 3.70
Mandarin, Floridian, dms.	lb.	1.60	- 1.65
Italian, cns.	lb.	5.50	- 8.50
Menhaden, crude, tanks, Baito	lb.	No stocks.	
refined, alkali, dms.	lb.	.1330-	—
kettle-bodied, dms.	lb.	.1480-	—
light-pressed, dms.	lb.	.1230-	—
tanks	lb.	.1050-	—
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene).			
Mustard seed, expressed, dms.	lb.	.22½-	.23
synthetic, cns., dms.	lb.	1.40	1.70
Neatsfoot, 15°, dms.	lb.	.28	- .28½
20°, dms.	lb.	.27	- .27½
30°, dms.	lb.	.25	- .26
Neroli, French, bots.	lb.	160.00	-175.00
Haitian, bots.	lb.	85.00	-90.00
Niaouli, cns.	lb.	2.30	3.25
Nutmeg, dist., East Indian, cns., dms.	lb.	3.50	- 3.70
West Indian, cns., dms.	lb.	3.35	- 3.50
Ocotea cymbarum, dms.	lb.	.75	1.00
Oiticica, liquid, drums.	lb.	.20½-	.21
tankcars	lb.	.19½-	—
Oleo, extra, dms.	lb.	.13½-	—
Olibanum, bots.	lb.	4.50	- 7.65
extra fine, bots.	lb.	6.25	- 8.50
Olive, commercial, dms.	gal.	1.75	- 1.85
edible, dms., duty paid	gal.	2.10	- 2.25
foots, dms.	lb.	.13½-	.13¾
Orange, sweet, dist., cns	lb.	.25	- .60
expressed, USP, Brazilian, cns., dms	lb.	.95	- 1.25
Calif., cns.	lb.	.55	- 1.00
Florida, cns., dms.	lb.	.40	- 1.00
Messina, coppers	lb	2.95	- 5.50
West Indian, cns	lb.	2.00	- 2.50
sesquiterpeneless, bots.	lb.	55.00	-95.00
Origanum, Spanish, cs.	lb.	2.50	3.50
Palm, Congo, dms.	lb.	.13½	Nom.
tankcars	lb.	No stocks.	
Palmarosa, cns.	lb.	7.40	- 9.00
Palmkernel, crude, bulk, c.i.f. NY	lb.	No prices.	
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery	gal.	11½	—
Patchouli, dms.	lb.	21.50	-25.50
Peach kernel, USP (see Oil, apricot kernel).			
Peanut, crude, tanks, Southeast	lb.	.15¼-	—
refined, dms.	lb.	.19½-	.20
tanks, New York	lb.	.18¼-	—
Pennyroyal, USP, dom., cns.	lb.	No stocks.	
imported, cns.	lb.	4.35	- 4.75
Peppermint, natural, dms.	lb.	6.25	- 6.60
redist., USP, dms.	lb.	6.60	- 7.15
Persic, USP (see Oil, apricot kernel).			
Perilla, crude, dms.	lb.	No stocks.	
Petitgrain, Paraguay, cns.	lb.	1.95	- 2.50
Pimento berry, dms.	lb.	3.85	- 5.75
leaf, cns	lb.	1.55	- 1.95
Pine, dest.-dist., dms., incl., c.l., works, South	gal.	.60	- —
l.c.l., works, South	gal.	.61	- —
ex whse., N. Y. C.	gal.	.72	- —
steam-dist., dms., ex whse., nonret. dms., incl., l.c.l., ex whse., N.Y.C	lb.	.09½-	—
Pineneedle, Siberian (See oil, abies siberica).			
Putty, petroleum, dms., c.l., dlvd.	lb.	.11	- —
l.c.l., same basis	lb.	.12	- —
tanks, same basis	lb.	.10	- —
Rapeseed, tankcars	lb.	.15¼-	—
Red, saponified, dms.	lb.	.13	- .14¼
tanks	lb.	.11½-	—
single dist., dms.	lb.	.13¾-	.15
tanks	lb.	.12¼-	—
double dist., dms.	lb.	.16¼-	.17⅛
tanks	lb.	.14¾-	—
Rice bran, clarif., dms.	lb.	.14	- .14½
tanks	lb.	.12½-	.13⅛
Rose, natural, Bulgarian, bots	oz.	23.00	-56.00
Rosemary, Spanish, tech., cns., dms	lb.	.75	- 1.50
USP, cns., dms.	lb.	.95	- 1.60
Rue, bots	lb.	2.75	- 3.50
Safflower, tanks	lb.	.15	- —
Sage, clary, bots.	lb.	13.50	-16.00
Dalmatian, cns.	lb.	6.50	- 6.75
Spanish, cns.	lb.	1.00	- 3.50
Sandalwood, NF, cns.	lb.	11.50	-16.30
Sardine, crude, tanks, Pac. coast.	lb.	.07⅞-	—
refined, alkali, dms.	lb.	.1330-	—
kettle-bodied, dms.	lb.	.1480-	—
light-pressed, dms.	lb.	.1230-	—
tanks	lb.	.1050-	—
Sassafras, artificial	lb.	.58	- .78
natural, Brazilian (see Oil, ocotea cymbarum).			
domestic, USP, cns., dms.	lb.	1.75	- 2.30
Savin, cns.	lb.	2.75	- 3.00
Savory, cns	lb.	2.00	—
Seal, 2% acid, duty extra, dms	lb.	No stocks.	
Sesame, ref., dms., l.c.l.	lb.	.31	- —
Shingle stain, bbls., c.l., works,	gal.	.27	- —
l.c.l., works	gal.	.30	- —
tanks, works	gal.	19	- —
Snakeroot, Canada, cns.	lb.	18.75	-25.00
Soybean, crude, tanks, mills	lb.	.14¼-	.14¼
foots, acid, 95%, tanks, dlvd. E	lb.	.06¾-	.07
raw, 50%, tanks, dlvd. E	lb.	.03½	Nom.
refined, alkali, dms., c.l.	lb.	.1785-	—
l.c.l.	lb.	.1845-	.1885
tanks	lb.	.1665-	—
clarified, dms., c.l.	lb.	.1690-	—
l.c.l.	lb.	.1755-	.1815
tanks	lb.	.1575-	—
edible, dms.	lb.	.1850-	.1900
tanks	lb.	.1675-	—
Spearmint, dms.	lb.	3.15	3.50
Sperm, bleached, winter, 45°, drums	lb.	.1620-	.1670
tankcars	lb.	.1520-	—
natural, winter, 45°, dms.	lb.	.15	- .15⅛
tankcars	lb.	.14	- —
Spruce, cns., dms.	lb.	1.75	- 2.00
Sunflower-seed, unp., refined, tanks	lb.	No prices.	
semi-refined, tanks	lb	No prices.	
Sweet birch, Northern, cns.	lb.	4.50	- 7.50
Southern, cns.	lb	1.93	3.65
Tall, crude, tanks works	ton.	40.00	- —
refined, dms., c.l., works	lb.	.06	- —
l.c.l., works	lb.	.06¼-	—
tanks, works	lb.	.05	- —
Tallow, acidless, dms.	lb.	.11	- .11¼
Tansy, dms.	lb.	8.60	- 9.00
Tar, pine, coml., dms., incl., c.l., works, South	lb.	.045-	—
l.c.l., works, South	lb.	.0473-	—
whse., N.Y.C.	lb.	.0365-	—
tanks, works, South	lb.	.035-	—
rectified, NF, l.c.l., dms., incl., works, South	gal.	.60	- —
Tar acid (see Th			
Teaseed, dms.	lb.	No stocks.	
Theobroma (see Cocoa butter).			

Flavor is the thing that makes your product stand out from others. And Exchange Oil of Orange *has* the flavor...that distinctive and preferred taste unique to oranges grown in the sunny, sheltered valleys of California.

Try Exchange Oil of Orange for yourself. Give it all your tests for *quality, uniformity* and *strength.* You'll like it...and you'll buy it!

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Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Oil, thyme, NF, red, cns., dms.	lb.	1.75	- 3.35
white, cns	lb.	2.30	3.80
technical, white, cns	lb.	.40	5.00
Tung, dom., tanks, mills	lb.	.24½	Nom.
imported, dms., c.l.	lb.	.25	- —
l.c.l.	lb.	.25½	- —
tanks	lb.	.24	- —
Turkey red (see Oil, castor, sulphonated)			
Turpentine, rectified, NF, cns., dms	lb.	.21	- .35
Vetiver, Bourbon, cns	lb.	12.50	-14.75
Haitian, cns	lb.	10.00	14.00
Java, cns	lb.	No prices.	
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached, dms	lb	No stocks.	
Wheat germ, 5-gal. dms	gal.	10.00	-13.00
White mineral, tech., 60-65 vis., dms., c.l., N. Y	gal.	.43	- —
l.c.l., same basis	gal.	.48	- —
65-75 vis., dms., same basis,	gal.	.44	- —
l.c.l., same basis	gal.	.49	- —
USP, 80-90 vis., dms., c.l., same basis	gal.	.45	- —
125-135 vis., dms., c.l., same basis	gal.	.53	- —
l.c.l., same basis	gal.	.58	- —
145-155 vis., dms., c.l., same basis	gal.	.60	- —
l.c.l., same basis	gal.	.65	- —
175-185 vis., dms., c.l., same basis	gal.	.62	- —
l.c.l., same basis	gal.	.67	- —
200-210 vis., dms., c.l., same basis	gal.	.65	- —
l.c.l., same basis	gal.	.70	- —
335-345 vis., dms., c.l., same basis	gal.	.69½	- —
l.c.l., same basis	gal.	.74½	- —
Wintergreen, nat., Northern, cns.	lb.	7.00	-14.50
Southern, cns	lb.	3.65	-18.50
synthetic (see Methyl salicylate)			
Wood (see Oil tung).			
Wormseed, NF, cns	lb.	4.25	- 4.50
Wormwood, cns	lb.	7.00	7.50
Ylang-ylang, Bourbon, bots	lb.	8.25	-12.50
extra, bots	lb.	No prices.	
Madagascar, bots	lb.	No prices.	
Olein crude (see Oil red).			
white, low titre, dms	lb.	.16¼	- .17½
tankcars	lb.	.14¾	- —
Oleostearin, bbls.	lb.	.09	- .09¼
Olivine, aggregate, c.l., mines	ton	7.00	9.50
crushed 8 mesh bulk, c.l., works	ton.	10.00	—
paper bgs. c.l. works	ton.	12.00	—
Opium, USP, cns.	lb.	19.20	-19.45
gran., USP, cns.	lb.	21.65	-21.90
powd. USP cns.	lb.	21.65	-21.90
Orange cadmium lithopone, bbls., frt. alld. E. of Rockies	lb.	1.10	—
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island St. Louis St. Paul	lb.	.25	- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coasts for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago			
Chrome dinitroanilin toner	lb.	1.15	—
Mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.1810	- —
Molybdate	lb.	.40	- —
Persian, bbls	lb.	.30	- .45
Orange flowers, nls	lb.	.40	.45
Orange peel, bitter, Haitian, bls	lb.	.13	- .15
Sweet, bls	lb.	.13	- .17
Oregano, Mexican, bgs	lb.	.16	- .16½
Portuguese, bgs	lb.	.18	- .18½
Sicilian, bgs	lb.	.18	- .19
Orris root, Florentine, bls	lb.	.20	.25
powdered, bbls., bxs	lb.	.26	.29
Verona, bls	lb.	.16	.21
powdered, bbls., bxs	lb.	.22	.28
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½	- —
l.c.l., same basis	lb.	.33	- —
tanks, same basis	lb.	.31	- —
Orthoanisidin, obls	lb.	.80	- —
Orthochloroanilin, dms., 10,000 lbs. or more	lb.	.60	- —
smaller lots	lb.	.70	- —
Orthochloroparanitroanilin, dms., works	lb.	.65½	- .67
Orthochlorophenol, dms., c.l., frt. equald	lb.	.27	- —
l.c.l., same basis	lb.	.28	- —
Orthocresol, pure, 30° C., non-ret., dms., c.l., frt. equald.	lb.	.1930	- .2405
l.c.l., same basis	lb.	.1960	- .2435
ret. dms., c.l., same basis	lb.	.1900	—
l.c.l., same basis	lb.	.1930	—
29° C., non-ret. dms., c.l., same basis	lb.	.1830	- .2305
l.c.l., same basis	lb.	.1860	- .2335
ret. dms., c.l., same basis	lb.	.1800	—
l.c.l., same basis	lb.	.1830	—
25 to 27° C., non-ret. dms., c.l., same basis	lb.	.1630	- .2080
l.c.l., same basis	lb.	.1660	- .2110
tanks, same basis	lb.	.1500	- .1950
Orthodichlorobenzene, 50-lb. cns	lb.	12½	—
100-lb. cns	lb.	11½	—
dms., c.l. works, frt. alld. E of Rockies	lb.	.08½	- .08¾
l.c.l., same basis	lb.	.09½	- .09¾
tanks, same basis	lb.	.07	- .07¼
Orthodichlorobenzene prices W of Rockies 1c per lb higher			
Orthoisopropyl N-ohenylcarbanate (see IPC).			
Orthoisopropyliphenol, dms., c.l.	lb.	.29	—
l.c.l.	lb.	.30	—
tanks	lb.	.28	—
Orthonitroanilin, dms	lb	.56	.59
Orthonitrochlorobenzene, dms	lb.	.18	- .19
Orthonitrobiphenyl, tech., dms., c.l., works	lb.	.14½	—
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Orthonitroparachlorophenol, cns	lb.	.75	—
Orthonitrotoluene, dms., c.l., works	lb.	.08	- —
l.c.l., works	lb.	.09	- —
tanks, works	lb.	.07	- —
Orthophenetidin, dms., works	lb	.90	—
Orthotoluidin, dms., c.l., works	lb.	.19	—
l.c.l., same basis	lb.	.20	—
tanks, same basis	lb.	.18	—
Osage orange crystals, bbls., l.c.l	lb.	33½	—
extract, liquid, bbls., l.c.l	lb.	15½	—
Orthotolidin, (see Tolidine Base).			
Ouabaine, USP, vials	gram	3.80	4.90
Ox gall, conc., gran., eb. dms., 5 lbs. and up	lb.	2.50	—
Oxyquinolin sulphate, cns., 100 lbs. works	lb.	4.25	—
smaller lots, works	lb.	4.40	- 4.51

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Pancreas substance, assay 1:75	lb	5.75	6.25
Pancreatin, USP	lb	2.50	3.00
Panthenol, bots., works, frt. adjust.	kilo	90.00	—
Papain, powd., NF, cs	lb.	1.75	2.50
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz lots	oz	5.00	—
smaller lots	oz	5.05	5.20
Sulphate, cns	oz.	7.10	7.35
Paprika, Chilean, bgs	lb.	.26	- .27
Portuguese, bgs	lb.	.39	- .40
Spanish, bgs	lb.	.44	- .50
Para-anisidin, dms., works	lb.	.80	—
Parachlorophenol, dms., c.l., frt. equald	lb.	.27	- —
l.c.l., same basis	lb.	.28	- —
Parachloroanilin, dms., frt. alld. E. Miss	lb.	.70	- —
Parachloro-orthonitroanilin, dms	lb.	.63	- —
Paracresol, 98%, dms., works	lb.	.50	- —
Paracymene, dms., works, 50 gals. or more	gal.	2.50	—
smaller quantities	gal.	3.00	- —
Paradibromobenzene, bgs., 500-lb. lots.	lb.	.45	- —
Paradichlorobenzene, dms., c.l., works	lb.	.11	- —
l.c.l., same basis	lb.	.12½	- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery	lb	No prices.	
121-123 ASTM, bbls., c.l., ref'y	lb.	No prices.	
126-128 ASTM, bbls., c.l., ref'y	lb.	No prices.	
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y	lb.	.0635	—
122-124 ASTM, loose, c.l., ref'y.	lb.	.0635	—
125-127 ASTM, loose, c.l., ref'y.	lb.	.0635	—
128-130 ASTM, loose, c.l., ref'y	lb.	.0640	—
130-132 ASTM, loose, c.l., ref'y.	lb.	.0645	—
132-134 ASTM, loose, c.l., ref'y.	lb.	.0660	—
135-137 ASTM, loose, c.l., ref'y	lb.	.0795	—

Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y.	lb.	.15½	- .16¾
10,000 lbs. to c.l., same basis.	lb.	.16½	- .16¾
1,000-9,999 lbs., same basis	lb.	.17½	- .17¾
less than 1,000 lbs., same basis	lb.	.19¼	- .19½
94-95%, powd., dms., c.l., works.	lb.	.13	- —
10,000 lbs. to c.l., same basis.	lb.	.14	- —
1,000-9,999 lbs., same basis.	lb.	.15	- —
less than 1,000 lbs., same basis	lb.	.17	- —
91-92% flake, fib. dms., c.l., works.	lb.	.11	- —
10,000 lbs. to c.l., same basis.	lb.	.12	- —
1,000-9,999 lbs., same basis.	lb.	.13	- —
less than 1,000 lbs., same basis	lb.	.15	- —

Quotations on 91-92% flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works	lb.	.12½	.13½
5-10-gal. dms., l.c.l., works	lb.	.16½	—
tanks, works	lb.	.10½	—
USP, cbys	lb.	.51	.53
Paranitroanilin, kgs., works	lb.	.46½	—
Paranitrochlorobenzene, kgs., works.	lb.	.19	- .20
Paranitrophenol, kgs., works, frt. equald	lb.	.40	- —
Paranitrotoluene, kgs., works	lb.	.30	- —
Paraphenetidin, dms., works	lb.	.80	- —
Paraphenylphenol, bgs. works	lb	.28	.29
Paraphenylenediamine, redistilled, dms., works	lb.	2.00	- —
technical, refined, dms., same basis	lb.	1.25	1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald	lb	.21	- —
l.c.l., same basis	lb.	.22	- —
Parthion, spray powder, 15% tins, dealers	lb.	.72	- —
tech., dms., works	lb.	1.50	- 2.50
Paratoluenesulphonamide, bbls., works	lb	.70	—
Paratoluidin, bbls., works	lb.	.55	—
Paretra brava root, whole, bgs	lb.	.30	.31
ground, bxs	lb	.35	.37
powder, bxs	lb.	.38	.40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.33	.37
l.c.l., same basis	lb.	.34	- .66
Passion flower herb, bls	lb	40	45
Patchouli leaves, bls	lb.	No stocks.	
Peanut meal, 45% sacked, mills	ton.	72.00	-73.00
Pectin, citrous, NF, powd., bbls	lb.	2.05	2.08
tech., powd., bbls	lb	1.42	1.43
Penicillin, crystalline, potassium, unlabeled, vials, 100,000 units	vl.	.102	—
200,000 units	vl.	.15½	- —
500,000 units	vl.	.28	- —
1,000,000 units	vl.	.52	- —
2,000,000 units	vl	1.00	- —
bulk, sterile, over 25,000,000,-000 unit lots .100,000 units.		.04	- —
tablet grade, over 25,000,000,-000 unit lots 100,000 units.		.03½	- —

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Penicillin, Procaine—Phenol

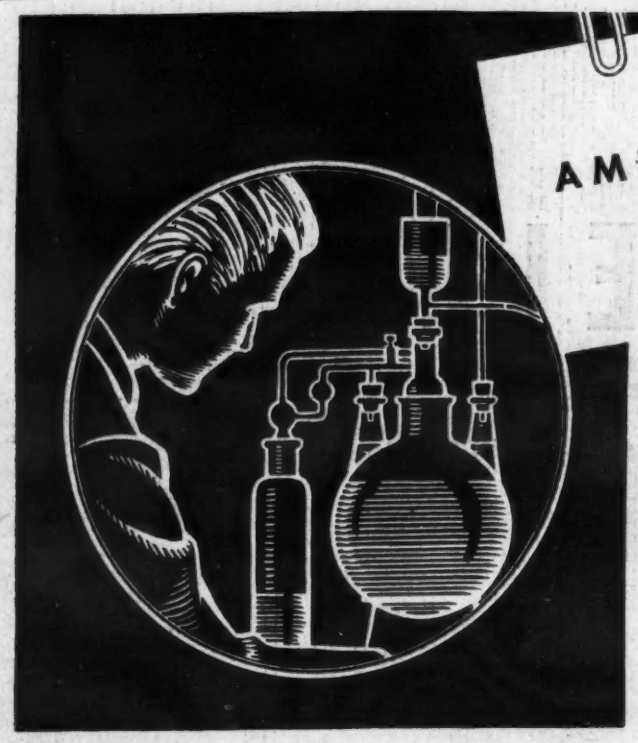
Penicillin, procaine, bulk, over 25,000,000,000-unit lots			
100,000 units		.04½-	—
sodium, unlabeled vials, 100,000 units	vl.	.10¾-	—
200,000 units	vl.	.16 -	—
500,000 units	vl.	.30½-	—
1,000,000 units	vl.	.57 -	—
2,000,000 units	vl.	1.03 -	—
bulk, over 25,000,000,000 unit lots 100,000 units		.04½-	—
Pennyroyal leaves, bls	lb.	.40 -	.45
Pentachlorophenol, ams., c.l., works, frt. equald	lb.	.20 -	—
l.c.l., same basis	lb.	.23 -	.28
truckload, 20,000 lbs., min., same basis	lb.	.20¼-	—
Pentaerythritol, tech., bgs., c.l., works	lb.	.29 -	—
l.c.l., works	lb.	.31 -	.33

Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).

Pentane industrial, tanks, group 3	gal.	10¼ -	.11⅛
Pepper, black	lb.	1.41 -	—
Apr. arrival	lb.	1.41 -	—
May shipment	lb.	1.41 -	—
Red, Carolina, longs, bgs	lb.	.38 -	.39
Oct.-Nov. delivery, bgs	lb.	.36 -	.37
Ethiopian, stemless, bgs	lb.	.33½-	.34
Haitian, bgs	lb.	.60 -	.61
Hontaka, bgs	lb.	.60 -	.61
Louisiana longs, bgs	lb.	.40 -	.41
Mexican sports, bgs	lb.	.35 -	.36
Mississippi sports, bgs., source	lb.	No stocks.	
Nigerian, caps, bgs	lb.	.39 -	.40
birdseye, bgs	lb.	.70 -	.70½
Sierre Leone, bgs	lb.	.48 -	.48½
Sudanese, small, bgs	lb.	.45 -	.46
Turkish, bgs	lb.	.25 -	.26
White, bgs	lb.	2.40 -	2.45
Peppermint, USP, dom., bls	lb.	.50 -	.70
imported, bls	lb.	.80 -	.90
Pepsin, NF, bulk containers	lb.	3.90	—
Perchloroethylene, ams., c.l., or truckload, works, frt. equald.	lb.	.10¼-	—
l.c.l., same basis	lb.	.11 -	—
tanks, same basis	lb.	.09¾-	—
ams., c.l., zone 1, works, frt. alld	lb.	.11 -	—
zone 2, same basis	lb.	.11½-	—
zone 3, same basis	lb.	.12 -	—
zone 4, same basis	lb.	.11½-	—
l.c.l., zone 1, same basis	lb.	.11¾-	—
zone 2, same basis	lb.	.12¼-	—
zone 3, same basis	lb	.12¾-	—
zone 4, same basis	lb.	.12¼-	—
tanks, zone 1, same basis	lb.	.10½-	—
zone 2, same basis	lb.	.11 -	—
zone 3, same basis	lb.	.11½-	—
zone 4, same basis	lb.	.11 -	—

Perchloroethylene zones are.—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa.; R. I., Tenn., Vt., Va., W Va., Wis.; (2) Ala., Ark., Fla., Ga. Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

Peru balsam, dms	lb.	.90	1.10
Petrolatum, USP, amber, ams., c.l., New York	lb.	.04½-	.04⅞
l.c.l., same basis	lb.	.05½-	.05¾
cream, dms., c.l., same basis	lb.	.05¾-	.06⅛
l.c.l., same basis	lb.	.07 -	.08
extra amber, dms., c.l., same basis	lb.	.04⅞-	.05⅛
l.c.l., same basis	lb.	.05¾-	.06
Petroleum, USP, white lily, dms., c.l., same basis	lb.	.06 -	.06⅞
l.c.l., same basis	lb.	.07¼-	.08¼
snow, dms., c.l., same basis	lb.	.06½-	.07⅛
l.c.l., same basis	lb.	.07½-	.08⅛
soft, dms., c.l., same basis	lb.	.06¼-	.06¾
l.c.l., same basis	lb.	.07¼-	.07⅛
yellow, soft, dms., c.l., same basis	lb.	.04⅞-	.05
l.c.l., same basis	lb.	.05⅝-	.05⅞
Petroleum, crude bulk, at wells, California	bbl.	1.10	2.99
Illinois	bbl.	2.44	2.87
Kentucky	bbl.	2.42	2.83
Louisiana-Arkansas	bbl.	2.08	2.90
Montana	bbl.	1.28	2.775
Oklahoma-Kansas	bbl.	2.16	2.65
Pennsylvania, lower field	bbl.	3.65	—
Upper field	bbl.	2.75	3.54
Texas, East	bbl.	2.65	—
Gulf coast	bbl.	2.38	2.95
North, North-Central	bbl.	2.23	2.65
Panhandle	bbl.	2.23	2.65
West	bbl.	2.10	2.65
Wyoming	bbl.	1.29	2.875
Ether, laboratory, 30°-60° C., cns., dlvd. E	gal.	1.50	—
dms., c.l., group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
35°-60° C, 10-gal. cns., dlvd. E.	gal.	1.50	—
dms., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
40°-75° C, 10-gal. cns., dlvd. E	gal.	1.50	—
ams., c.l., Group 3	gal.	.26	—
l.c.l., same basis	gal.	.44	—
90°-160° C, ret. dms., ex tax, f.o.b San Francisco	gal.	.27	—
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl.	1.25	1.55
light, tanks, refinery	bbl.	1.65	2.10
Petroleum, fuel oil, Bunker C, No. 6, eastern, tanks, Albany, N. Y.	bbl.	2.35	—
Baltimore, Md.	bbl.	2.08	—
Boston, Mass.	bbl.	2.10	—
Charleston, S. C.	bbl.	2.03	—
Jacksonville, Fla.	bbl.	2.02	—
New York, N. Y.	bbl.	1.90	2.10
Norfolk, Va.	bbl.	2.08	—
Philadelphia, Pa.	bbl.	2.08	—
Portland, Me	bbl.	2.13	—
Providence, R. I.	bbl.	2.075	—
Savannah, Ga	bbl.	2.03	—
Diesel, tanks, refinery, California,	gal.	.061-	.115
Pennsylvania	gal.	.09 -	.0925
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.0775-	—
No. 3	gal.	.07375-	—
Bayonne, N. J., No. 2	gal.	.077 -	—
Group 3, No. 1	gal.	.0825-	.08625
No. 1, straw	gal.	.0825-	.08625
No. 2, straw	gal.	.07625-	.085
range	gal.	.0825-	.0875
Pennsylvania, western, No. 1	gal.	.095 -	.10
No. 2	gal.	.0925-	.095
No. 3	gal.	.09 -	.0925
Lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.147 -	—
255 F, b.r., tanks, ex-tax, Portland, Ore	gal.	.158	—
San Francisco	gal.	.152 -	—
Seattle, Wash	gal.	.158	—
East coast, tanks, N. J. and N. Y. refinery	gal.	.16½-	—
group 3, benzol-type, tanks, refinery	gal.	.12125-	—
toluol-type tanks, refinery	gal	11125-	11375
Mineral, spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco	gal.	.152 -	—
205-295 b.r., tanks, same basis	gal.	.152	—
245-360 b.r., tanks, same basis	gal.	.152	—
305-362 b.r., tanks, same basis	gal.	.142	—
312-400 b.r., tanks, same basis	gal.	.142	—
360-455 b.r., tanks, same basis	gal.	.152	—
East coast, tanks, N. J., N. Y., refinery	gal.	.14½-	—
group 3, tanks	gal.	.09875-	—
tankwagon, Baltimore	gal.	.18 -	—
Boston	gal.	.16½-	—
Buffalo	gal.	.17 -	—
Newark	gal.	.15½-	—
New York	gal.	.15½-	—
Philadelphia	gal.	.14 -	—
Pittsburgh	gal.	.175 -	—
Providence	gal.	.17 -	—
Rochester	gal.	.18½-	—
Syracuse	gal.	.19½-	—
Washington, D. C	gal.	.18 -	—
Naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery	gal.	.14½-	—
Group 3, tanks	gal.	10875-	—
tankwagon, Newark	gal.	.15½-	—
New York	gal.	.15½-	—
Philadelphia	gal.	.14½-	—
high-flash, 140° F, group 3, refinery, tanks	gal.	.13	.145
200-285 b.r., 37-38° C, mixed anilin pt., tanks, refinery or terminal	gal.	.20	.21
25-26° C., m.a.p., tanks, same basis	gal.	.19½-	.24
270-370 b.r., 78-81° C, m.a.p., tanks, same basis	gal.	.23½	—
45° C., m.a.p., tanks, same basis	gal.	.26½-	—
26-27° C., m.a.p., tanks, same basis	gal.	.19½-	.24¼
300-400 b.r., 28-32° C., m.a.p., tanks, same basis	gal.	.19½-	.27
340-410 b.r., 27° C., m.a.p., tanks, same basis	gal.	.29 -	—
32° C., m.a.p., tanks, same basis	gal.	.19½-	—
36° C., m.a.p., tanks, same basis	gal.	.20½-	—
340-440 b.r., 32° C., m.a.p., tanks same basis	gal.	.24¾-	.27
360-480 b.r., 25° C., m.a.p., tanks, same basis	gal.	.19½-	—
V.M.&P., ref'y, California, 245-360 b.r., Los Angeles	gal.	.147 -	—
Portland, Ore	gal	.158	—
San Francisco	gal.	.152	—
Seattle, Wash	gal.	.158	—
East coast, N. J., N. Y., tanks	gal.	.15½-	—
Group 3, tanks	gal.	.10875-	—
tankwagon, Boston	gal.	.18 -	—
Newark	gal.	.17 -	—
New York	gal.	.17 -	—
Philadelphia	gal.	.165	—
Pittsburgh	gal.	.185	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.152	—
East coast, N. J. N. Y.,	gal.	.15½-	—
Group 3 tanks	gal.	.10375-	11375
Pennsylvania, western, tanks	gal.	.1225-	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157 -	.185
East coast, N. J. N. Y., tanks	gal.	.14½-	—
tankwagon, Boston	gal.	.16½-	—
Newark	gal.	.15½-	—
New York	gal.	.15½-	—
Philadelphia	gal.	.14½-	—
Pittsburgh	gal.	.175 -	—
Syracuse	gal.	.19½-	—
Sulphonate, 70% sulphonic content, ret. dms., c.l., works.	lb.	.1715-	—
l.c.l., works	lb.	.1750-	—
tanks, works	lb.	.1525-	—
50% sulphonic content, ret. dms., c.l., works	lb.	.1365-	—
l.c.l., works	lb.	.1400-	—
tanks, works	lb.	.1175-	—
Phenobarbital, USP, dms., 100 lbs.	lb	4.00	4.35
Phenobarbital-sodium, USP, dms	lb.	4.00	4.10
Phenol 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies.	lb.	.1375-	—
l.c.l., same basis	lb.	.1450-	—
tanks, same basis	lb.	.1200-	—
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.1375-	—
l.c.l., same basis	lb.	.1450-	—
tanks, same basis	lb.	.1200-	—
USP, synthetic, dms., c.l., same basis	lb.	.14½-	—
l.c.l., same basis	lb.	.15¼-	.17¼
tanks, same basis	lb.	.12¾-	—
tar distilled, dms., c.l., same basis	lb.	.14¾-	—
l.c.l., same basis	lb.	.15½-	—
tanks, same basis	lb.	.13 -	—



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(powder, micro crystal and Calcomites)
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Choline Chloride
Choline Citrate, Tri
Choline Dihydrogen Citrate
Choline Bitartrate
Cinchophen N.F.
(and sodium salt)
Folic Acid
Neocinchophen U.S.P.
Methylene Blue U.S.P.
(powder and crystal)
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Nicotinamide U.S.P.
Nicotinamide HCl
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(and sodium salt)
Phenothiazine N.F.
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AMERICAN Cyanamid COMPANY

BOUND BROOK, N. J.

Phenolphthalein, USP or yellow, bbls., dms., 2,000 lbs. lb. 1.00 - —
smaller lots lb. 1.02 - 1.07
Phenothiazin, NF, 6b. dms., 18,000 lbs., frt. adjusted lb. .44 - —
smaller lots, frt. adjusted lb. .46 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.45 - 2.65
100%, bots lb. 4.00 - 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots lb. 1.25 - —
smaller dms lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 - 37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½ - —
t.c.l., works lb. .36½ - —
Phenylethanolamine, dms., c.l., works lb. .67½ - —
t.c.l. same basis lb. .68½ - —
Phenylethyl acetate, dms. lb. 1.45 - 2.70
Phenylethylphenyl acetate, bots lb. 3.75 - 6.00
Phenylhydrazin base, CP, bots. lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb. 1.75 - —
CP, bots., works lb. 5.00 - 5.07
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms., works lb. 13.75 - 15.75
commercial fib. dms., works lb. 5.50 - 7.00
tech., fib. dms., works lb. 9.65 - 10.75
Phosgene, 150-lb. cyls., works lb. .20½ - —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 35.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.75 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.15 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.80 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.80 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.90 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum short ton. 4.93 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5 long ton. 6.45 - —
30-29% P_2O_5 long ton. 7.21 - —
Phosphorus, red, amorphous, cs lb. .33 - .36
tins, export lb. .34 - .37
Yellow, cns lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
s.c.l., works lb. .13 - .14
Sesquisulphide, tins, cs., works. lb. .23 - .29
dms., export lb. .33½ - .36
Trichloride, dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .17½ - —
l.c.l., same basis lb. .18½ - —
Bbls. ½c. per pound higher.
Phthalimide, bbls., works lb. 1.10 - 1.37
Pichi leaves, bgs lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF, bots., vials oz. 6.50 - 7.50
Nitrate, USP, bots, vials oz. 6.25 - 7.25
Pimento, Jamaica, bgs lb. .20½ - .31
Pinetar, retort, dms., incl., c.l., works, South lb. .045 - —
t.c.l., same basis lb. .0473 - —
whse., N.Y.C. lb. .0595 - —
tanks, works, South lb. .035 - —
Pinkroot, bls. lb. 1.55 - 1.65
Piperidine, 95% wks. frt. equals. lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots. kilo. 12.50 - 13.25
Pipsissewa herb (see Prince's pine).
Pitch, burgundy, dms. incl., 20 or more dms., works, South. 100 lbs. 7.16 - —
whse., N. Y. C. 100 lbs. 8.08 - —
5 to 19 dms., works, South. 100 lbs. 7.36 - —
whse., N. Y. C. 100 lbs. 8.28 - —
1 to 4 dms., works, South. 100 lbs. 7.61 - —
whse., N. Y. C. 100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works ton. 34.00 - —
l.c.l., works ton. 36.00 - 37.00
Cottonseed, dms., works lb. .05 - .07
Pitch, hardwood, paper bgs., c.l., works lb. .02 - —
Linseed, dms. lb. .09 Nom.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, ums., ex whse, Ea. 100 lbs. 4.67 - —
Soybean, dms., works lb. .04½ - .05
Plaster of paris (see Gypsum)
Platinum metal, works oz. 66.00 - 69.00
Pokeroot, bls lb. .13 - .14
Pleurisy root, bls lb. .25 - .26
Podophyllin, NF dms lb. 12.45 - —
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld. lb. .30 - —
20,000-29,999 lbs., same basis lb. .30 - —
10,000-19,999 lbs., same basis lb. .30½ - —
200-9,999 lbs., same basis lb. .31 - .60
standard, bgs., over 30,000 lbs., same basis lb. .30 - —
20,000-29,999 lbs., same basis lb. .30 - —
10,000-19,999 lbs., same basis. lb. .30½ - —
200-9,999 lbs., same basis. lb. .30½ - —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .25½ - .27
20,000-29,999 lbs., same basis lb. .26½ - .28
10,000-19,999 lbs., same basis lb. .27½ - .29
200-9,999 lbs., same basis. lb. .27½ - .29
standard, bgs., over 30,000 lbs., same basis lb. .25½ - —
20,000-29,999 lbs., same basis lb. .26½ - —
10,000-19,999 lbs., same basis lb. .27½ - —
200-9,999 lbs., same basis. lb. .27½ - —
Polystyrene in non-returnable fiber dms., ½c. per lb higher.

Pomegranate root bark, bgs. lb. .68 - .70
Poppy flowers, bls. lb. .50 - 1.05
Seed, Czech, bgs. lb. .13¾ - .14
Dutch, bgs lb. .16 - .16½
Polish, bgs lb. .14½ - .15
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 9.75 - —
l.c.l., works 100 lbs. 10.50 - —
liquid, 45%, dms., c.l., works, 100 lbs 4.525 - —
t.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs 4.20 - —
solid, 90%, dms., c.l., works. 100 lbs. 9.15 - —
t.c.l., works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works lb. .0815 - —
t.c.l., works lb .089 - —
liquid, 45% basis, dms., c.l., works. lb. .03725 - —
t.c.l., same basis lb. .0450 - —
tanks, same basis lb. .0340 - —
solid, 88-92%, dms., c.l., works. lb. .0755 - —
t.c.l. works lb. .0830 - —
Potassium abietate lb 08 - —
Acetate, USP, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .20 - .22
powd., dms lb. .22 - 24
Bichromate, bgs., works lb. .13¼ - .14¼
Potassium bichromate in drums. ¼c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works. ton. 192.00 - —
ton lots, works ton. 245.50 - —
less ton lots, works ton. 250.50 - —
Bromate, bbls., 1,000 lbs. or more. lb. .48 - —
25-200-lb. lots lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs. lb. .33 - .34

Potassium carbonate, tech., calcined, bbls., c.l., works lb. .0780 - —
l.c.l., same basis lb. .0855 - —
hydrated, 83-85%, bbls., c.l., works lb. .06¼ - —
dms., l.c.l., works lb. .07 - —
USP, gran., bbls., dms lb. .16½ - .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., hgs lb. .25 - .29
Chlorate, cryst., dms., c.l., works. lb. .089 - —
l.c.l., works lb. .0915 - .1015
powd., dms., c.l., works lb. .094 - —
l.c.l., works lb. .0965 - .1065
export, dms., 1 to 10 tons, ex whse lb. .12 - —
NF, gran., dms lb .31 - .33
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½ - .38½
powder, dms. lb. .40½ - .41½
Cyanide, dms., works lb. .52½ - .55
Fluoride, dms., works lb. .24 - —
Gluconate, dms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 - .93
Iodide, dms lb. 1.95 - 1.98
Manure salt, 22% K_2O, bulk, mines unit-ton. .20 - —
25% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls lb. .21 - —
powd., bbls lb. .25 - —

Potassium muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. unit-ton. .37½ - —
Trona, Cal unit-ton. 45½ - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified, dms. lb. .42 - .44
Perchlorate, dms., l.c.l. lb. .14 - .15
kgs., c.l., works lb. .13½ - —
Permanganate, tech., dms., works, lb. .21¾ - .22¾
USP, dms., works lb. .23½ - .24
ex whse lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
t.c.l. works lb. .21 - —
Phosphate, tetrabasic, bbls., wks. lb. .13 - .13¼
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb .21 - —
kegs lb .26 - —
Ricinoleate, tech., bbls lb. .11 - —
Silicate, glass, bgs., c.l., wks ton. 200.00 - —
t.c.l. 100 lbs. 15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
t.c.l. 5 or more works. 100 lbs. 5.00 - —
1-4 works 100 lbs. 5.50 - —
62° Be, net, dms., c.l., works. 100 lbs. 4.75 - —
t.c.l. 5 or more, works. 100 lbs. 5.50 - —
1-4 works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 5.75 - —
t.c.l. 5 or more, works. 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb .07 - .08

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with Wyandotte "high-light" Kreelon

In these competitive days, the *appearance* as well as the *performance* of a cleaning compound is important.

That's why more and more compounders are standardizing on Wyandotte "high-light" Kreelon in their formulations.

This superior detergent and wetting agent is white in color and makes a clear, practically colorless solution. Here's a simple test that strikingly demonstrates this quality. Simply dissolve a sample of Kreelon and one or a number of other detergents in separate beakers of water. Hold them up to the light. Note the clarity of the Kreelon solution. Compare it with the hazy, "muddy" appearance of most other detergent solutions.

Wyandotte "high-light" Kreelon is made under rigid manufacturing specifications. It provides maximum detergency (soil removal and whiteness retention). *And Kreelon contains a minimum of 40% active agent.*

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SODA ASH • CAUSTIC SODA • BICARBONATE OF SODA
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HYDROGEN • DRY ICE • SYNTHETIC DETERGENTS • GLYCOLS
CARBOSE (Sodium CMC) • ETHYLENE DICHLORIDE • PROPYLENE
DICHLORIDE • AROMATIC SULFONIC ACID DERIVATIVES
OTHER ORGANIC AND INORGANIC CHEMICALS

Wyandotte
REG. U. S. PAT. OFF.

Potassium Sulphate—Red, Rose Lake

Potassium sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works	ton	32.50	—
indust, bulk, works	ton	36.00	—
NF, cryst., bbls	lb.	.31	.33
gran., dms	lb.	.18½	—
powder, dms	lb.	.17	—
Sulphocyanide, cryst., NF (see Potassium thiocyanate).			
Thiocyanate, cryst., NF, dms	lb.	.70	.78
tech., works	lb.	.45	.50
Titanate, ctns., c.l., works	lb.	.12	—
5 tons, works	lb.	.12¼	—
1 ton or less, works	lb.	.12½	.12¾
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works	ton	14.50	—
Potassium-sodium tartrate (see Rochelle salt).			
Potassium-titanium fluoride, fib. dms., works	lb.	.45	.55
Potassium-titanium oxalate, bbls., kgs	lb.	.65	.70
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	—
l.c.l., works	lb.	.52½	.55
Prickly ash bark, bls	lb.	.23	.25
Berries, bgs	lb.	.55	.75
Prince's pine herb, bls	lb.	.45	.50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works	lb.	3.75	4.50
spot, 1,000 lb. lots	lb.	4.50	—
smaller lots	lb.	4.00	5.00
Progesterone, USP, 100 gms	gm.	3.50	—
Propane, commercial grade, tanks, group 3	gal.	.02¼	—
Propionaldehyde, dms., c.l., works	lb.	.28½	—
l.c.l., works	lb.	.29½	—
tanks, works	lb.	.25	—
Propyl aldehyde (see Propionaldehyde)			
Parahydroxybenzoate, USP, dms	lb.	2.30	2.40
Propylene dichloride, dms., c.l.	lb.	.08½	—
l.c.l.	lb.	.09½	—
smaller containers	lb.	.12½	—
tanks	lb.	.07	—
Oxide, dms., c.l., frt. alld. E	lb.	.18½	—
l.c.l., frt. alld. E	lb.	.19½	—
tanks, frt. equald. E	lb.	.16½	—
Propyleneglycol, NF, dms., c.l., frt. alld. E	lb.	.17½	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16	—
tech., dms., c.l., frt. alld. E	lb.	.16½	—
l.c.l., same oasis	lb.	.17½	—
tanks, same basis	lb.	.15	—
Methylether, dms., c.l., frt. equald.	lb.	.18	—
l.c.l., same basis	lb.	.18½	—
tanks, same oasis	lb	.16½	—
Propylthiouracil, bots., 50 kilos or more	kilo.	55.00	—
smaller lots	lb.	55.10	55.30
Psyllium seed, black, bgs	lb.	.22	.25
blonde, bgs	lb.	.19	.21
husks, bgs	lb.	.42	.43
Pulsatilla herb, bls	lb.	.45	.50
Pumice, dom., grd., course, 0¼, 1, 1½, 2, 3, bgs., ton lots.	lb.	.03¾	.04
Chicago, bgs., ton lots	lb.	.04½	—
smaller lots	lb.	.03½	.04¼
Italian, silk-screen, coarse bgs., ton lots	lb.	.05½	—
fine, bgs., ton lots	lb.	.04	—
sun dried, coarse, bgs., ton lots	lb.	.02½	—
fine, bgs., ton lots	lb.	.02½	—
Pumice in bbls is ½c. per lb. higher.			
Pumpkin seed, bgs	lb.	.18	.26
Purple lake (see Red).			
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works	lb.	11.00	-11.50
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works	gal.	9.50	—
regular base, dms., works	gal.	9.40	—
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works	gal.	14.15	—
regular base, dms., works	gal.	14.05	—
smaller lots, same basis	lb.	50.00	-55.00
Flowers, fine-grd., 0.9% pyrethrins, bbls., works	lb.	.42	.44
powder, 1.3% pyrethrins, bbls., works	lb.	.56	.65
Pyrethrin, synthetic (see Allethrin)			
Pyridin, denaturing, dms., works, and frt. equald., c.l	gal.	2.00	2.69
l.c.l	gal.	2.00	2.72
refd., 2°, non-ret. dms., c.l., same basis	lb.	.79½	—
l.c.l., same basis	lb.	.80	—
Pyridoxine hydrochloride, 100-gram lots	gram.	.55	—
Pyrites, Spanish, c.i.f. Atl. ports	long-ton.	8.00	—
Pyrocatchin (see Catechol).			
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines	ton.	11.00	-11.50
230 mesh, bulk, c.l., mines	ton.	12.00	—
325 mesh, bulk, c.l., mines	ton.	15.00	—
No. 3, 200 mesh, bulk, c.l., mines,	ton.	9.50	—
insecticide grade, 200 mesh, bgs., c.l., mines	ton.	12.00	-12.50
Pyrophyllite, rubber grade, 140 mesh, bgs., c.l., mines	ton.	10.00	-10.50

Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin scrap, opaque, amber, cs., works	lb.	.17	—
black, cs., works	lb.	.14	—
gray, cs., works	lb.	.13	—
mixed, mottled, cs., works	lb.	.12	—
white, china, ivory, cs., works.	lb.	.17	—
dense, cs., works	lb.	.16	—
translucent, pastels, cs., works,	lb.	.17	—
transparent, colorless, cs., works,	lb.	.19	—
colors, cs., works	lb.	.17	—
shavings, opaque, amber, cs., works	lb.	.14	—
transparent, mixed, colors, cs., works	lb.	.14	—
white, cs., works	lb.	.17	—
USP, bots., dlvd	lb.	9.54	—

Q

Quassia chips, bls	lb.	.08	.09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l.,	lb.	.14¾	.15
liq., 35% tannin, bbls., works,	lb.	.08	.08½
tanks, same basis	lb.	.07½	—
clarified, solid, 64% tannin, bgs., c.l., duty extra	lb.	.09	—
powd., 70% tannin, bgs., c.l	lb.	.15½	—
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra	lb.	.06⅞	—

Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.

Queen of the meadow root, bgs	lb.	.14	.15
Quercitron crystals, bbls., t.c.l	lb.	.33½	—
Extract, liquid, bbls., l.c.l	lb.	.14½	—
solid bxs	lb.	.28	—
Quicksilver, flasks (76 lbs.) net, 100 flask lots	flask.	71.00	—
smaller lots	flask.	73.00	-75.00
Quince seed, bgs	lb.	.90	1.50
Quinidine, NF V, cryst., cns	oz.	1.90	—
powd., precip., cns	oz.	1.85	—
Sulphate, USP, cns	oz.	1.25	—
Quinine, NF, cns., 100 ozs	oz.	.70	—
Bisulphate, USP, cns., 100 ozs	oz.	.51	—
Dihydrochloride, USP	oz.	.70	—
Ethylcarbonate, NF, cns., 100 ozs.	oz.	.75	—
Hydrobromide, NF, cns., 50-oz. cns.	oz.	.63	—
Hydrochloride, USP, cns., 100 ozs.	oz.	.63	—
Phosphate, NF, cns., 100 ozs	oz.	.76	—
Salicylate, NF, ctns., 100 ozs	oz.	.66	—
Sulphate, USP, cns., 100 ozs	oz.	56½	—
Quinine-urea hydrochloride, NF, cns	lb.	.68	—
Quinolin, dms., c.l., works	lb.	.50¾	—
l.c.l., works	lb.	.51¼	—
tanks, works	lb.	.50	—

R

6 salt, paste, dry basis, dms.	lb	.70	.75
Raspberries, dried, bbls	lb.	1.65	1.70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.45	2.25

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium, CP, dark shade, bbls., frt. alld., E. of Rockies	lb.	3.65	—
light shade, bbls., same basis	lb.	3.50	—
medium shade, bbls., same basis	lb.	3.60	—
medium-light shade, bbls., same basis	lb.	3.55	—
orange shade, bbls., same basis	lb.	3.15	—
lithopone, deep shade, bbls., same basis	lb.	1.35	—
light shade, bbls., same basis	lb.	1.20	—
maroon shade, bbls., same basis	lb.	1.45	1.55
medium shade, bbls., same basis	lb.	1.30	—
medium-light shade, bbls., same basis	lb.	1.25	—
orange-red shade, bbls., same basis	lb.	1.15	—

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).			
Crocus martis (see Red, maroon iron oxide).			
Dyes (see Dyes, coal tar).			
Eosin, toner, bbls., works	lb.	1.40	—
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y	lb.	.11¼	11¾
Iron oxide, synth., bgs	lb.	.11½	.11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis	lb.	.05¼	09¼
special, high color, all shades	lb.	.60	—
Lake C toner alizarin, bbls., works,	lb.	1.05	—
Lithol toner, bbls., works	lb.	.65½	.80
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.40	—
Maroon, alizarin lake, 25%, kgs., works	lb.	.40	.43
toner, bbls., works	lb.	1.35	1.50
Cadmium, deep, bbls., works	lb.	1.20	—
regular, bbls., works	lb	1.10	—
Iron oxide, bgs., l.c.l., works	lb.	.04	—
MNP, toner, kgs., works	lb	3.25	—
Maroons in smaller pkgs., 5c. per lb higher			
Mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.00	—
smaller lots, works	lb	2.02	—
Metallic, bbls., works	lb.	.02½	.02¾
Oxide (see Red, iron oxide).			
Persian gulf, bgs., works	lb.	.06¾	.07
Para toner, bbls	lb.	.69½	.80
chlorinated, kgs	lb.	.95	1.05
concentrated alizarin lake, kgs., works	lb	.80	—
Phloxin toner (see Red, eosin toner).			
Phosphotungstic rhodamine Y, kgs., works	lb.	4.45	—
Pink lake, alizarin, bbls., works	lb.	.20	.25
Purple lake, kegs	lb.	1.35	—
Rose lake, alizarin, bbls., works	lb.	.25	.28

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SODIUM SULFATE

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for Purity—Uniformity—Full Weight
Specify "NATURAL"

NATURAL PRODUCTS REFINING COMPANY
JERSEY CITY, N. J.

Red, Spanish oxide, grade 1, bbls., c.l., ex dock	lb.	.05½	.05¾
l.c.l., ex dock	lb.	.05½	.06
ex whse., New York	lb.	.06½	—
grade 2, bbls., c.l., ex dock	lb.	.05¼	.05½
l.c.l., ex dock	lb.	.05½	.05¾
ex whse., New York	lb.	.06¼	—
Toluidin toner (MNPT), kgs., works	lb.	1.01	1.30
Turkey, bbls., works	lb.	.14½	—
Tuscan, bbls., frt. equald	lb.	.24½	.25
Venetian, 15%, bgs., works	lb.	.0330	—
20%, bgs., works	lb.	.0360	—
25%, bgs., works	lb.	.0410	—
30%, bgs., works	lb.	.0440	—
35%, bgs., works	lb.	.0465	—
40%, bgs., works	lb	.0490	—
Vermilion, Amer., bbls	lb.	.32	—
Quicksilver, ctns	lb.	2.27	—
Red Precipitate, NF powd., fib. dms	lb.	2.17	2.19
Red saunders wood, powd., bbls	lb.	.50	—
Rennin, NF	lb.	6.50	—
Resorcinol, resin grade, dms., c.l., works	lb.	.71	—
l.c.l., works	lb.	.72	—
tech., dms., c.l., works	lb.	.74	—
l.c.l., works	lb.	.75	—
USP, cryst., dms., works	lb.	2.50	—
powd., dms., works	lb.	2.70	—
Monoacetate, NF dms	lb	3.25	3.45
Rhatany root, bgs	lb.	.15	.16
Rhubarb root, whole, cs	lb.	1.25	1.30
powd., bbls	lb.	1.40	1.45
Riboflavin, USP, bulk, dlvd	kilo.	125.00	—
Readily soluble, bots., dlvd	kilo.	125.00	—
Rice bran concentrate dms. Cedartown, Ga	lb	79	—
Rochelle salt USP, gran., powd., dms., 5,000 lbs	lb.	.27½	—
smaller lots		.28	.33
Rose flowers, pale, bls	lb.	.35	.40
Rosemary flowers, bls	lb.	1.55	1.65
Leaves, French, bls	lb.	.12	.17
Portuguese, bls	lb.	.07½	.07½
Spanish, bls	lb.	.07½	.07¾
Rosin gum (see Naval Stores, Protective Coatings market).			
Wood, B, dms., c.l., works	100 lbs.	3.50	—
FF, dms., c.l., works	100 lbs.	5.00	—
G, H, I, dms., c.l., works	100 lbs.	5.60	—
K, dms., c.l., works	100 lbs.	5.60	—
M, dms., c.l., works	100 lbs.	5.60	—
N, dms., c.l., works	100 lbs.	5.70	—
WG, dms., c.l., works	100 lbs.	5.90	—
WW, dms., c.l., works	100 lbs.	6.10	—
X, dms., c.l., works	100 lbs.	6.20	—
Rotenone, CP, bbls., works	lb.	20.00	—
tech., works	lb.	16.50	—
Rottenstone, bgs., c.l., mines	ton.	36.00	—
l.c.l., mines	ton.	43.00	—
Ryania, 100% powd., bgs., works	lb.	.20	—
Rue herb, bls	lb.	.35	.40
Rutin, 10 kilos, fib. dms	gram.	.03½	.04½
smaller lots, fib. dms	gram.	.04	.05

S

Sabadilla seed, powd., bbls	lb.	.60	—
activated ground with lime, bbls	lb.	.35	.36
Saccharin USP gran., soluble, 1,000 lbs	lb	1.50	—
smaller lots	lb	1.60	1.70
powd., soluble insoluble, dms., 1,000-lb. lots	lb	1.55	—
smaller lots	lb	1.65	1.85
Safflower, Egyptian, bls	lb.	.75	.80
Saffron, Mexican, bls	lb.	.95	1.00
Spanish, USP, tins	lb.	17.00	-18.00
Safrol, dms	lb.	.85	.90
Sage, Cyprus, bales	lb.	.12	.13
Dalmatian, bls	lb.	1.20	1.25
Greek, fancy, bls	lb.	.24	.25
Spanish, bls	lb.	.11	.11½
Sago flour, bgs	lb.	.05½	.05¾
Saligenin, ctns	lb.	14.00	-25.00
Salol, NF, gran., bbls., kgs	lb.	1.00	—
fib. dms	lb	1.02	1.02
powdered salol 10c. higher			
Salt, rock, burlap bgs., c.l.	100 lbs.	.98	—
l.c.l.	100 lbs.	1.19	1.22
paper bgs., c.l.	100 lbs.	.88	—
l.c.l.	100 lbs.	1.09	1.12
Table, vacuum, common, fine, bgs., c.l., works	100 lbs.	.98	1.08
l.c.l., dlvd.	100 lbs.	1.20	1.32
Saltcake, dom., bulk, dlvd. 100% Na_2SO_4 basis	ton.	22.00	—
Saltpeter, cryst., bbls. 10 tons.	100 lbs.	13.90	—
smaller lots	100 lbs.	14.15	-14.40
gran., bbls., 20 tons	100 lbs.	9.25	—
smaller lots	100 lbs.	10.50	-11.00
powd., bbls., 20 tons	100 lbs.	10.25	—
smaller lots	100 lbs.	11.50	-12.00
NF, gran., dms	lb.	.15¾	.17¾
Saltpeter in bags, 25c. per 100 lbs less than in barrels; in kegs, $1 more.			
Sandalwood chips, East Indies, bgs.,	lb.	.65	.66
powd., dms.	lb.	75	76
Sanguinarine nitrate, bots	oz.	4.75	5.50
Santonin, NF, cryst., powd., cns.	kilo.	No stocks.	
Saponin No. 1, cns	lb.	3.45	—
Sarsaparilla root, dom., bls	lb.	.30	.40
Honduras, bls	lb	40	45
Mexican, bls.	lb.	.28	.30
Sassafras bark, ord., bls	lb	35	40
select, bls	lb	50	.55
Savory, French, bls	lb.	.13½	.14
Spanish, bls	lb.	.12	.12½
Saw palmetto berries, bgs.	lb	.23	.24
Scammony resin, lump, cns	lb.	1.95	2.20
powd., cns.	lb.	2.05	2.30
Root, bgs	lb	11	14
Schaeffer's salt, bgs	lb.	.66	—
Scopolamine hydrobromide, bots	oz.	16.00	-17.00
Hydrochloride, bots	oz	84.00	—
Seidlitz mixture, bbls. 5,000 lbs	lb	25¾	—
smaller lots	lb	26¼	—
dms., 100 lbs. or less	lb	.27¼	.31¼
Selenium, powd. cns. 10-lb lots	lb	2.10	—
cs. 1,000-lb lots	lb	2.00	—
Senega root, bls	lb.	1.55	1.65
Senna leaf, Alex., half-leaf, bls	lb.	.22	.24
sifting, bgs.	lb.	.19	.21
Tinnevelly, No. 1, bls.	lb.	.17	.24
No. 2, bls	lb	.14	.19
No. 3, bls	lb	.10	.11
Pods, bls	lb	.12	.15
powdered, bls., bxs	lb	.16	.22
Serpentaria root, bls	lb.	2.20	Nom.
Sesame seed, Chinese, white, nat., bgs	lb.	.11	.11½
hulled, bgs	lb.	.18	.18½
Nicaragua, hulled	lb.	.21	.24
natural, bgs.	lb.	.12	.12¼
Salvadorean	lb.	.12½	.13
Shellac, bleached, bonedry, bgs., 1,500-lb. lots	lb.	.49½	—
bbls., 1,500-lb. lots	lb.	.50	—
kgs., 1,500-lb. lots	lb.	.52	—
refined, bgs., 1,500-lb lots	lb.	.59½	—
bbls., 1,500-lb. lots	lb.	.60	—
kgs., 1,500-lb. lots	lb.	.62	—
bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.			
Lemon, No. 1, bgs	lb.	.42	.43
No. 2, bgs	lb.	.38	.39
Superfine, bgs., 10 bgs	lb.	.35	.36
TN, bgs., 10 bgs	lb.	.33	.34
Shellac in 1 to 9 bgs., 1c. more.			

Silica amorph., dry-grd., 325 mesh, bgs., c.l., lil. works	ton.	20.00	-30.00
l.c.l., works	ton.	25.00	-40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	20.00	—
l.c.l., works	ton.	25.00	—
99½%, 140 mesh, bgs., c.l., works	ton.	12.00	—
l.c.l., works	ton.	17.00	—
Tetrachloride, tech., dms., c.l. works	lb.	14½	—
l.c.l., works	lb	18½	20½
Silver bullion, ingots, cs	oz.	72¾	—
Cyanide, fib. dms., 2,500-oz. lots.	oz.	66¾	—
1,000-oz. lots	oz.	66¾	—
500-oz. lots	ob.	66½	—
100-oz. lots	oz.	67½	—
Nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	46½	—
1,000-oz. lots	oz.	47¾	—
500-oz. lots	oz.	48½	—
250-oz. lots	oz.	48¾	—
USP granular silver nitrate, 4c. per oz. higher.			
Proteinate, mild, USP, bots., dms., 1,000-oz. lots	oz.	.95	—
strong, NF, bots., dms., 1,000-oz. lots	oz.	.90	—
Simaruba bark, bls.	lb	.85	Nom.
Skullcap herb, Eastern, bls	lb.	.60	.65
Western, bls	lb.	.30	.35
Skunk cabbage root, bls	lb.	.30	.35
Slate flour bgs., c.l., works	ton.	11.00	12.00
l.c.l., ex whse	ton.	20.00	60.00
Sloe berries, bgs	lb.	.32	.35
Smalt, black, ctns	lb.	.11½	—
Blue, ctns.	lb.	.15½	—
Snakeroot, Canada, bls	lb.	.40	.45
Soapbark, bls	lb	.22	.23
crushed, bls., bbls	lb.	.24	.25
cut, foreign, bbls	lb.	.25	.26
powd., bbls.	lb.	.29	.30

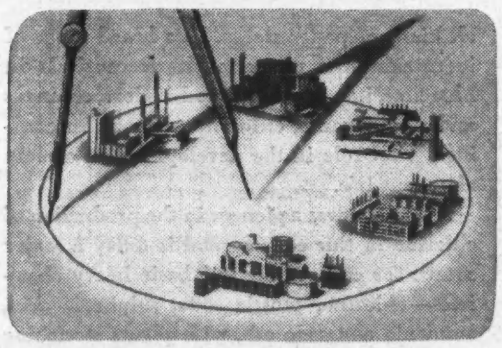
Soda ash, dense, 58%, paper bgs., c.l., works	100 lbs.	1.35	—
l.c.l., stock points	100 lbs.	2.75	4.52
bbls., c.l., works	100 lbs.	2.00	—
l.c.l., stock points	100 lbs.	3.25	5.02
bulk, c.l., works	100 lbs.	1.10	—
light, 58% paper bgs., c.l., works	100 lbs.	1.25	—
l.c.l., stock points	100 lbs.	2.65	4.42
bbls., c.l., works	100 lbs.	1.90	—
l.c.l., stock points	100 lbs.	3.15	4.92
bulk, c.l., works	100 lbs.	1.00	—
Caustic, flake, powd., 76%, dms., c.l., works	100 lbs.	3.45	—
l.c.l. stock points	100 lbs.	4.80	6.67
liquid, 50%, sellers' tanks, works, dry basis	100 lbs.	2.40	—
rayon-type, tanks, works, dry basis	100 lbs.	2.40	2.50
70% sellers' tanks, works, dry basis	100 lbs.	2.50	—
rayon-type, tanks, works, dry basis	100 lbs.	2.60	—
solid, 76%, dms., c.l., works	100 lbs.	3.05	—
l.c.l. stock points	100 lbs.	4.40	6.27
Sal, bgs., c.l., ex car	100 lbs.	1.58	—
l.c.l., bgs., ex whse	100 lbs.	1.78	—
Soda-lime USP, dms	lb.	.23	25
Sodium acetate anhyd., dms., works	lb.	10	.11½
NF, cryst., bbls., works	lb.	.16	—
powder, bbls., works	lb.	.08	.09
Alginate, refined, water soluble, bbls., works	lb.	.79	—
semi-refined, bbls., works	lb	48	—
NF, white, powd., dms., works, ton lots	lb.	1.25	—
smaller lots	lb	1.30	1.65
Aluminate, 20,000 lbs. or more, bgs	100 lbs.	8.50	—
under 20,000 lbs., works	100 lbs	9.50	—

Sodium antimoniate, bbls., c.l., dlvd.	lb.	.23½	—
l.c.l., dlvd.	lb.	.24½	—
Arsenate, dealers, dms., c.l., works.	lb.	.12	—
Arsenite, dealers dms. works	lb	13¼	14¼
solution, dms., works	gal.	.90	1.00
Benzoate, tech., bbls., dms., 100 lbs. or more	lb.	.39	—
USP, bbls. dms. 100 lbs or more	lb	46	—
Bicarbonate, USP gran., bgs., c.l., works	100 lbs	2.35	—
l.c.l., works	100 lbs	3.00	—
powd., bgs. c.l. works	100 lbs	1.95	—
l.c.l. works	100 lbs	2.60	—
Bichromate, bgs., works	lb.	.09¾	.10¼
Sodium bichromate, in drums, ¼c higher.			
Bifluoride, bbls., c.l., works, frt. equald	lb.	.13½	—
l.c.l., same basis	lb	13½	—
Bisulphate, bulk, c.l. works	100 lbs	1.75	—
dms., c.l., works	100 lbs	2.40	—
l.c.l. works	100 lbs	2.90	—
Bisulphite, powd., bags, c.l., works	100 lbs.	3.75	—
l.c.l., works	100 lbs	4.60	—
solut. 35° bbls., c.l. works	100 lbs	1.10	—
l.c.l. works	100 lbs	1.50	—
Borate (see Borax).			
Bromide, USP, bbls., kgs., works.	lb.	.33	.34
Cacodylate, NF, jars, dms	lb.	7.00	8.00
Carbonate (see Soda ash, Soda sal Sodium monohydrate).			

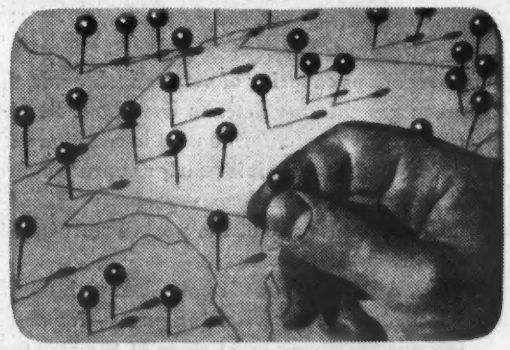
When you specify Solvay in ordering chemicals, you get many advantages that may not be immediately obvious. These hidden "extras" help make your business operate more smoothly, more efficiently . . . and, in many cases, more economically.

1 TO HELP YOU WORK out problems—and to offer advice on the proper use, handling and storing of alkalies—there's Solvay "Industry-Wise" Technical Service . . . a corps of skilled technicians with expert knowledge of individual industries, including *your* industry.

2 SOLVAY'S LONG EXPERIENCE as America's first alkali manufacturer—totaling almost seven decades—assures you of chemical products *exactly* the way they should be.



3 SOLVAY'S FIVE HUGE plants—situated where American industry is centered—guarantees a steady supply of the materials you need.



4 THE CONVENIENT, coast-to-coast locations of Solvay's 200 sales offices and warehouses make prompt delivery another feature.

SOLVAY

TRADE-MARK REG. U.S. PAT. OFF.

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

Boston • Charlotte • Chicago • Cincinnati • Cleveland
Detroit • Houston • New Orleans • New York
Philadelphia • Pittsburgh • St. Louis • Syracuse

Soda Ash • Caustic Soda • Caustic Potash • Chlorine • Potassium Carbonate • Calcium Chloride • Nytron • Sodium Bicarbonate
Specialty Cleansers • Ammonium Bicarbonate • Sodium Nitrite
Para-dichlorobenzene • Ortho-dichlorobenzene • Methanol
Monochlorobenzene • Ammonium Chloride • Formaldehyde

Sodium Chlorate—Trichloroethane

Sodium chlorate, cryst., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .08¼- —
powd., kgs., works.....lb. .09½- —
USP, dms.....lb. .21 - —
Chloride, tech. (see Salt).
Chlorite, tech., dms., works . lb. 75 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
l.c.l., dms., works.....lb. .21 - .22
Chromate, dms., works.....lb. .11½- .12½
Citrate, anhyd, dms. .....lb. .60 - .65
USP VIII, dms .....lb. .31½- .36½
USP XIII, gran., dms.....lb. .26 - .28½
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works. lb. 1.10 - —
smaller lots, works.....lb. 1.25 - —
Cyanide, 96-98%, dms. .....lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works..lb. .11½- .12½
anhydrous, dms., works.....lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works..lb. .10½- —
l.c.l., works.....lb. .10¾- .11
95%, bbls., c.l., works.....lb. .10¾- —
l.c.l., works.....lb. .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works..lb.12.00 - —
2 to 25 tins to case, works..lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works..lb.16.50 -21.00
tribasic, ton lots.....lb.11.00 - —
Formate, bgs., c.l., dlvd....100 lbs. 7.10 - —
l.c.l. .....100 lbs. 8.15 - —
Gluconate, dms. .....lb. .83 - .85

Sodium glutamate, monobasic, dms., c.l., dlvd. .....lb. 1.53 - —
smaller quantities, dlvd...lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls.....lb. 1.70 - 1.85
solution, 75%, cbys.....lb. .88 - 1.00
Hydride, dms., works.....lb. 2.00 - 3.00
Hydrosulphide (see Sodium, sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 - —
l.c.l., frt. alld.....lb. .21½- .23½
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms .....lb. .23 - —
Hypophosphite, NF, ton lots and less, dms..lb. .85 - .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald.. 100 lbs. 3.50 - —
l.c.l., same basis.....100 lbs. 3.90 - —
pea cryst., bgs., metro area.. 100 lbs. 3.75 - —
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, bots., dms.....lb. 2.47 - 2.59
Lactate, edible, 50%, dms., cbys., works..lb. .19 - —
60%, dms., cbys., works..lb. .24 - —
tech., 50%, dms., cbys., works. lb. .13 - .14
Metaborate, octa-hydrate, gran., bgs., c.l., works..ton.73.00 - —
l.c.l., works .....ton.118 00 -123.00
tetrahydrate, c.l., bbls., works. ton.184.50 —
Sodium metaborate in bbls. $20 per ton higher.

Sodium metal, tanks, works.....lb. .16 - —
bricks, dms., works.....lb. .17 - .18
Metanilate, bgs. .....lb. .57 - —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.25 - —
l.c.l., dms., works....100 lbs. 5.75 - —
pentahydrate, bgs., c.l., works. 100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 4.60 - —
bbls., c.l., works...100 lbs. 3.65 - —
l.c.l., bbls., works..100 lbs. 5.00 - —
Molybdate, anhyd., works..... lb. .54 - —
Monohydrate, bgs., c.l., works 100 lbs. 3.35 - —
l.c.l., works.....100 lbs. 3.55 - —
Naphthionate, bbls..... lb. .60 .65
Nitrate, crude, dom., bgs., c.l., works..ton.46.50 - —
bulk, c.l., works .....lb.45.00 - —
imp., 100-lb. bgs., c.l., All Gulf, Pac. whse..ton.51.50 - —
bulk, c.l., same basis..ton.48.00 - —
USP, dms.....lb. .21 - —
Nitrite, 90%, bbls., c.l., works, frt. equald lb. .06¾ —
West coast ports 100 lbs. 8.00 8.05
l.c.l., dlvd .... 100 lbs. 8.90 -11.00
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 —
l.c.l., same basis ....100 lbs. 5.55 7.10
hydrated, flake, bbls., c.l., works. 100 lbs. 4.25 —
l.c.l., works 100 lbs. 5.50 5.75
Oxalate, neut., bgs., works.....lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more..lb. 3.50 - —
smaller lots .....lb. 3.65 - —
Para-aminosalicylate, dms., 1,000 lbs. or more..lb. 5.25 - —
smaller lots .....lb. 5.30 - 6.25

Sodium pentachlorophenate, briquets, bgs., c.l., works, frt. equald..lb. .21½- —
l.c.l., same basis .....lb. .22½- .24½
pellets, bgs., c.l., same basis lb. .21 - —
l.c.l., same basis.....lb. .23 - .24
powd., bgs., c.l., same basis..lb. .20 - —
l.c.l., same basis.....lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works..lb. .18¾- —
l.c.l., works .....lb. .19¼ —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .18 - —
l.c.l., same basis.....lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms..lb. .38 - .39
powd., dms. .....lb. .41 .42
Phosphate, dibasic, anhydr, bgs., c.l., works..10c lbs. 6.75 - 7.00
l.c.l., works.....100 lbs. 7.25 7.50
cryst., bgs., c.l., works 100 lbs. 3.35 3.60
l.c.l., works ....100 lbs. 3.75 4.00
USP, dried, powd., dms., works lb. .20 .20¼
monobasic, anhyd., bgs., c.l., works..100 lbs.10.00 - —
l.c.l., works .... 100 lbs.12.85 —
tribasic, cryst., bgs., c.l., wks., frt. equald..100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.25 —
Sodium phosphates in bbls. 40c. higher than bgs.
USP (see Sodium phosphate dibasic)
Prussiate, yellow, bgs.....lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.50 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 6.90 - —
l.c.l., frt. equald 100 lbs. 7.40 —
Ricinoleate, tech., bbls.....lb. No stocks.
Salicylate, USP, dms.....lb. .59 - .62
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.85 - —
l.c.l., dlvd. zone 1.....100 lbs. 3.70 - 4.10
zone 2.....100 lbs. 3.96 4.36
zone 3.....100 lbs. 4.25 4.65
zone 4.....100 lbs. 4.90 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex., N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W of 96°, Kan., Neb., W of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
bbls., c.l., works ... 100 lbs. 2.45 —
Sesquisilicate, bbls., c.l., works. 100 lbs. 4.15 - —
l.c.l. dlvd 100 lbs. 5.40 5.65
Silicate, 40°, turbid., dms., c.l., works..100 lbs. 1.05 - —
l.c.l., works .....100 lbs. 1.25 1.35
tanks works .....ton.16.00 -17.00
52°, turbid, dms., c.l., works .. 100 lbs. 1.80 —
l.c.l., works.....100 lbs. 2.05 - 2.15
tanks works .....ton.32.00 —
Silicofluoride, bbls., c.l., works..lb. .04½- —
l.c.l., works .....lb. .049 - —
Stannate, dms., works, frt. alld. E. lb. .443 - .508
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works.....lb. .22 - —
Sulphate, NF VII dried, gran., dms lb. .20 .23
tech. anhyd. bgs., c.l., works. 100 lbs. 2.00 - —
l.c.l., works .....100 lbs. 2.35 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls .....lb. .17 - .19
gran., bbls. .....lb. .15½- .17¼
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis ...100 lbs. 5.00 5.25
fused, bbls., c.l., works, frt. equald 100 lbs 4.00 —
l.c.l., same basis 100 lbs. 4.50 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald ... 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works..100 lbs. 3.60 - —
l.c.l., works .....100 lbs. 4.00 - —
bbls., c.l., works.....100 lbs. 4.00 - —
l.c.l., works .....100 lbs. 4.40 —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. .....lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05¾- —
l.c.l., works .....lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03¼- —
Thiocyanate, CP, dms.....lb. .55 .65
tech., dms., works lb .30 —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 .12
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works .....lb. .10¼- —
1 ton or less, works.....lb. .10½- .11
Trichloroacetate, dms. .....lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald..100 lbs. 7.25 - —
l.c.l., same basis ..100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd., East lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dlvd., dms lb. .22 .22½
Sodium-sulpha drugs (see Sulpha name)
Sodium-titanium fluoride, fix. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works.. lb. .28 - —
less 1,000 lbs., same basis .lb. .30 —
Solvent naphtha coal tar tanks, works gal. .25 .3235
high-flash tanks, works gal. .25 .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex..gal. .26 - —
150°F. flash tanks same basis..gal. .26 - —
Sorbitol, cryst., pencls, dms., c.l., works lb. .30 —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works..lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works ..... lb. .22½- —
ton lots, works .....lb. .23¼- —
less ton lots, works ...lb. .24 - —
tanks, works .....lb. .21½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works.....lb. .17 - —
less ton lots, works..lb. .17½- —
tanks, works .....lb. .15½- —

Gregarious offspring of common table salt, the green gas chlorine hates to live alone. In fact, so violently does chlorine want to combine with other elements that it is nearly as unruly as fire. Yet like fire, its violence—properly guided—makes chlorine one of the world's most important heavy chemicals.

Every day, chlorine is unleashed with deadly effect against health-stealing germs—for chlorine purifies a very great share of the country's drinking water. Highly versatile, chlorine is an important ingredient in the new vinyl plastics from which come gleaming rainwear, and its bleaching action is widely employed to whiten all kinds of paper stocks. In a broad range of industries from paper to pharmaceuticals, in bleaches, insecticides, weed-killers, cleaners and refrigerants, chlorine plays an increasingly vital role in the development of a more abundant life.

Mathieson was a pioneer in the production of chlorine in this country and is today a major source for each of the five basic heavy chemicals—chlorine, caustic soda, sulphuric acid, ammonia and soda ash, with plants stretching from upstate New York to the plains of Texas. Mathieson Chemical Corporation, Mathieson Building, Baltimore 3, Maryland.

Mathieson
CHEMICALS

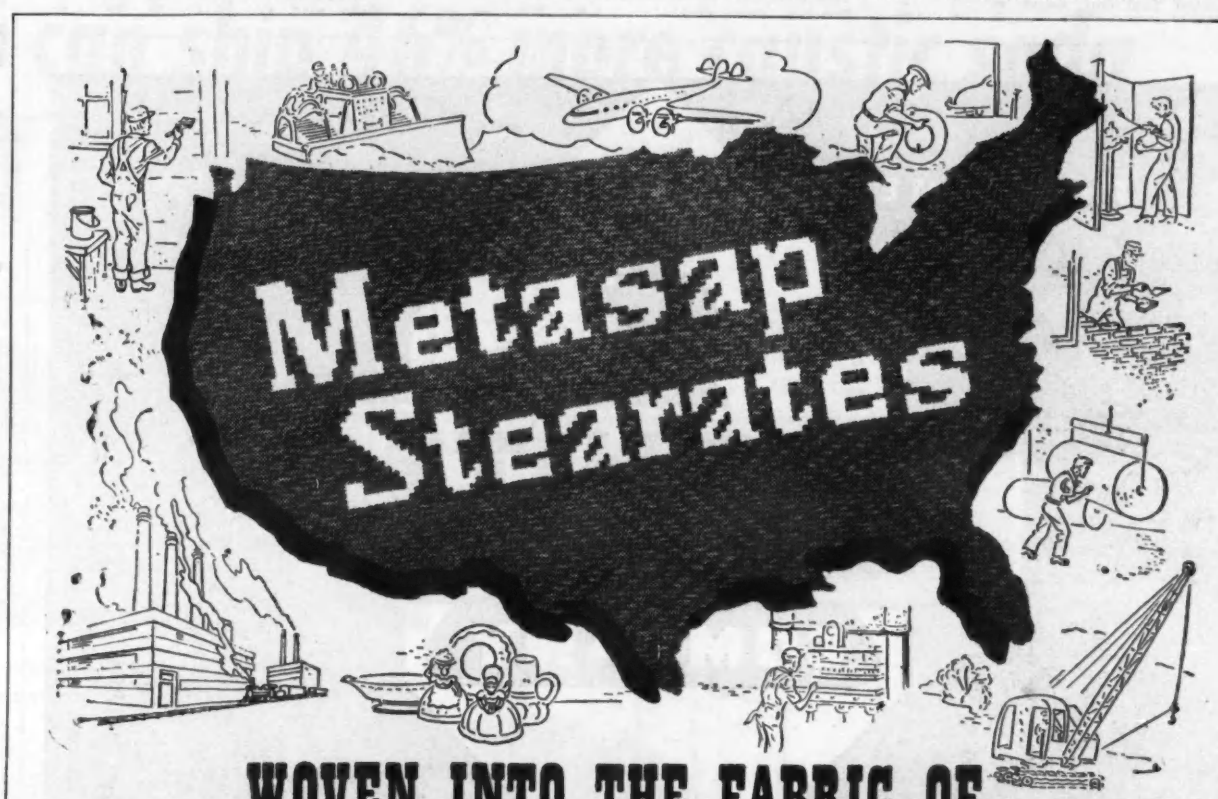
SERVING INDUSTRY, AGRICULTURE and PUBLIC HEALTH

Soybean meal, 41% bulk, Decatur ton 71.00 - —
50%, same basis ton 82.00 - —
protein, chemically isolated, 40,000 lbs., works lb. .20 - —
20,000 lbs., works lb. .20¼ - —
smaller lots, works lb. .20½ - .24
mechanically refined, bgs., 40,000 lbs., works lb. .0575- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —
Sparteine sulphate, cns. oz. .85 - 1.25
Spearmint leaves, bis. lb. .52 - .55
Spikenard root, bis. lb. .40 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾ - —
powd., super, bgs., c.l., works, lb. .05¼ - —
Squaw vine leaves, bls. lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes lb. 1.50 - 1.60
White, bls. lb. .11 - .13
powd., bbls., bxs. lb. .16 - .18
St. Ignatius beans, bgs. lb. No stocks.
St. John's bread, edible, bls. lb. .13 - .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.62 - —
Chicago 100 lbs. 4.97 - —
l.c.l. 100 lbs. 5.77 - —
powd., paper bgs., c.l. 100 lbs. 5.73 - —
Chicago 100 lbs. 4.88 - —
l.c.l. 100 lbs. 5.88 - —
Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. .05 - —
l.c.l., spot lb. .07¼ - —
Maine, bgs., c.l., works lb. .05 - —
l.c.l., spot lb. .07 - —
Rice, bgs lb. .12½ - —
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs. lb. .0606- .0625
Stavesacre seed, bgs. lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .36
Stoneroot, bls. lb. .07¼ - .08
Storax, USP, cs. lb. 1.50 - 1.60
Stramonium leaves, bgs. lb. .19 - .20
Seed, bgs. lb. .20 - .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials gram. .48 - —
Strontium bromide NF cns., dms., lb. .82 - —
Carbonate, 90%, dms. lb. .15½ - .16½
Chloride, tech., bbls. lb. .22 - .24
Chromate, bbls., works lb. .50 - —
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼ - —
l.c.l., works lb. .10¼ - —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 - 1.32
Sulphate air-floated, 90% 325 mesh, bgs., works ton 56.70 - 66.15
Strontium-calcium sulphide, phosphorescent, dms., works lb 2.50 - 2.85
Strophanthin, NF, bots. oz. 39.00 - —
Strophanthus seed, Kombe, bgs lb. 3.00 - 3.25
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs. oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots. lb. 2.50 - 3.10
Sucrose octa-acetate, benat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms. lb. 4.25 - 4.60
Sulphabenzamide-sodium, dms lb. 4.25 - 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb. 11.25 -11.75
microcrystals, 99% not over 10 microns, dms lb. 10.50 -11.00
powder lb. 10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb. 12.25 -12.75
powder lb. 11.25 -11.75
Sulphaguanidin, USP, dms lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms lb. 10.55 -11.05
powder, dms lb. 10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb. 11.25 -11.75
Sulphamethazine, micro crystals lb. 8.80 - 9.30
powder lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing lb. 1.15 - 1.35
microcrystals lb. 1.30 - 1.50
powder lb. 1.05 - 1.25
Sulphanilamidoquinoxaline, veterinary, dms lb. 9.00 - 9.25
Sulphapyridin, NF, powd. bots., tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 - 3.55
powder, dms. lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton. 18.00 - —
vessel f.o.b. Gulf ports, export, long ton. 22.00 - —
f.o.b. ship for domestic and Canada long ton. 19.50 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l. works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 - —
l.c.l., works 100 lbs. 4.20 - 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., bgs., works 100 lbs. 2.70 - 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03¼ - —
l.c.l., same basis lb. .04¼ - —
tanks, same basis lb. .03 - —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0535- —
dlvd lb. .18 - —
tanks, works lb. .045 - —
refrigeration, cyls., l.c.l., dock ton. 65.00 - 66.00
Sumac bark, 28%, grd., bgs., ex Extract, No. 1, bbls., 25% lb. .10½ - —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½ - —
Leaf, 28% grd., bgs., ex-dock, ton. 67.00 - 68.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltic unit-ton. .76 - —
Carteret, N. J. unit-ton. .73 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .80 - —
prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, imported, bls. lb. .95 - 1.00

T

Tale, dom., ordinary, grd., Calif., bgs., c.l., works ton. 25.00 -35.00
Vermont, bgs., c.l., works ton. 14.00 - —
l.c.l., works ton. 17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton. 24.00 - —
l.c.l. ton. 26.50 -28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton. 23.00 -28.00
l.c.l., works ton. 25.00 -32.00
imp., Canada, grd., bgs., c.l., mines ton. 12.50 -35.00
Tallow, inedible, extra, loose, c.l., dlvd lb. .06¼ - —
fancy, loose, same basis lb. .06⅜ - —
special, loose, same basis lb. .05⅞ - —
sulphonated, 25%, dms. lb. .06 - .06½
50%, dms lb. .08½ - .09
Tamarind, W. I., bbls lb. .10 - .15
kegs keg. 10.00 - —
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 7.50 - —
Chicago unit-ton. 8.25 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton. No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs lb. .07 - .07¼
medium grades, bgs lb. .06½ - .06¾
low grades, bgs lb. .05½ - .06
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .41 - —
l.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .48 - —
l.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis, gal. .58 - —
l.c.l., same basis gal. .61 - —
tanks, same basis gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs. c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton. 225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l. lb. .24½ - —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½ - —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .50
Terpinglycol ether, dms., c.l., works, lb. .19½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½ - .70¼
prime, cns., dms lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms gm. 3.75 - —
Propionate, USP., 100 gms gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08¼
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½ - .21¼
smaller dms., works lb. .23½ - .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works, lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. 65 - 70
Tetraethylenepentamine, dms., c.l., works lb. .51½ - —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb. 12.50 -15.00
sulphate, 99%, bots., dlvd lb. 10.50 -13.00
Theobromine, fib. dms lb. 4.50 - 4.55
Salicylate, fib. dms lb. 4.00 - 4.05
with sodium acetate, USP, dms lb. 3.65 - 3.70
Sodio-salicylate, fib. dms lb. 2.90 - 2.95
Theophylline, USP, 100-lb. dms lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo. 160.00 - —
Mononitrate, bots., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms lb. .34 - .38
Thiodipnenylamine (see Phenothiazine)
Thiouracil, dms., works lb 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb .44 - —
Thorium nitrate, cs., works lb. 3.50 - —

Soybean Meal—Thorium Nitrate



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METASAP ALUMINUM STEARATE provides a base for a wide variety of greases that have high-temperature resistance, outstanding stability and water repellency. Moisture-free, these lubricants keep bearings and other moving parts operating efficiently under the most exacting conditions.

METASAP CALCIUM AND ZINC STEARATES, added to plastic molding compounds, improve internal lubrication. They also assure easy release of preforms and finished products from molds—thus helping to speed the molding cycle, step up output, minimize rejects and, at the same time, prolong mold life.

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of Calcium • Aluminum • Lead • Magnesium • Zinc

Threonine—Viosterol

Threonine, dextro-laevo, 100 grams		115.00	—
Thyme, French, bgs	lb.	.15	.15½
Spanish, bls	lb.	.68½	.00
Thymol, USP, kgs	lb.	3.50	—
Iodide, NF, dms	lb.	6.60	6.70
Timbo root (see Cube root).			
Tin chloride (stannous), anhyd., dms., works	lb.	.7144	.7244
Crystals, hydrous, bgs., bbls., works	lb.	.58¾	—
Metal	lb.	.77¾	—
Oxide, bbls.	lb.	.83	.84
Sulphate, stannous, bbls., kgs., works	lb.	.8309	.8509
Tetrachloride, anhyd., dms., works	lb.	.47½	.48½
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd	lb.	.19½	—
l.c.l., dlvd	lb.	.20	.20½
chalk-resistant, bgs., c.l., dlvd.	lb.	.19½	—
l.c.l., dlvd	lb.	.20	.20½
plain, bgs., c.l., dlvd	lb.	.19½	—
l.c.l., dlvd	lb.	.20	.20½
rutile, natural, granular, bgs., c.l., works	lb.	.05	—
5-ton lots, works	lb.	.05¼	—
milled, bgs., c.l., works	lb.	.05¼	—
5-ton lots, works	lb.	.05½	—
nonchalking, bgs., c.l., dlvd. E.	lb.	.21½	—
l.c.l., dlvd. E	lb.	.22	.22½
Hydride, cns. works	lb.	7.00	8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd	lb.	.07½	.07¾
l.c.l. dlvd	lb.	C-	.08¾
Titanium dioxide and pigment in obls., 4c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ¼c. higher			
Tetrachloride, CP, 55 gal. dms	lb.	.37	.38
smaller, pkgs., works	lb.	.65	1.22
technical, 5-gal. dms., works	lb.	.32	—
smaller pkgs., works	lb.	.40	1.00
Tolu balsam, cns., dms	lb.	2.95	3.10
Toluene (see Toluol)			
Toludin base, distilled, kgs	lb.	1.10	—
Toluol, coaltar, industrial and nitration, tanks, works:—			
Bethlehem, Pa	gal.	.23½	—
Birmingham dist	gal.	.22¼	—
Chicago district	gal.	.24½	—
Cleveland district	gal.	.24¾	—
Dangerfield, Tex	gal.	.24½	—
Geneva, Utah	gal.	.19	—
Hamilton, Ohio	gal.	.24	—
Johnstown, Pa	gal.	.22	—
Lackawanna, N. Y	gal.	.25	—
Philadelphia, Pa	gal.	.25½	—
Pittsburgh district	gal.	.22	—
Sparrow's Point, Md	gal.	.23½	—
St. Louis, Mo	gal.	.27	—
Syracuse, N. Y	gal.	.22½	—
Terre Haute, Ind	gal.	.25½	—
Wyandotte, Mich	gal.	.25	—
Youngstown, Ohio	gal.	.22½	—
Petroleum, industrial, 2°, tanks, works—			
Albany, N. Y	gal.	.28	—
Bayonne, N. J.	gal.	.28	—
Baytown, Tex.	gal.	.26	—
Chicago, Ill	gal.	.27	.28
Detroit, Mich.	gal.	.28	—
Philadelphia, Pa.	gal.	.28	—
Providence, R. I.	gal.	.28	—
Wood River, Ill	gal.	.25	—
Tonga, 50% bark and vine, bls.	lb.	.80	.95
Tonka beans, Angostura, cks	lb.	1.75	1.80
Brazilian, cs	lb.	1.00	1.15
Surinam, cs.	lb.	1.00	1.15
Toxaphene, dms., works, c.l	lb.	.20	—
truckloads, works	lb.	.20	—
ton to truckloads, works	lb.	.23	—
less than tons, works	lb.	.26	—
Totaquine, USP, 100-oz. lots	oz.	.42	—
Triacetin, dms., dlvd	lb.	.35¼	—
Tributyl citrate, dms.	lb.	.41	.42
smaller containers	lb.	.46	.52
Phosphate, dms., c.l., frt. alld	lb.	.56½	—
l.c.l.	lb.	.57½	—
smaller containers	lb.	.71	—
Tributylamine, dms., c.l., works	lb.	.78	—
l.c.l., works	lb.	.81	—
Trichlorobenzene, dms., c.l., works, frt. alld. or equald	lb.	.10	—
l.c.l.	lb.	.11	—
tanks	lb.	.06½	—
Trichlorethane, dms., c.l., works	lb.	.13	—
l.c.l., works	lb.	.13½	—
tanks, works	lb.	.11½	—
Trichloroethylene, dms., c.l., or truckload, works, frt. equald.	lb.	.10¼	—
l.c.l., same basis	lb.	.11	—
tanks, same basis	lb.	.09¾	—
Trichloroethylene, tanks, frt. alld., zone 1	lb.	.10½	—
Zone 2	lb.	.11	—
Zone 3	lb.	.11½	—
Zone 4	lb.	.11½	—
Trichloroethylene, frt. alld., dm., c.l., prices ½c. higher, l.c.l., 1½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.			
Tricholine citrate, 65% solut., ret., cbys., works, frt. adjusted	lb.	2.15	—
Tricresyl phosphate, coaltar, dms., c.l., dlvd	lb.	.30½	—
l.c.l., dlvd.	lb.	.31	—
tanks, dlvd.	lb.	.29	—
petroleum, dms., c.l., dlvd	lb.	.30½	—
l.c.l., dlvd.	lb.	.31	—
tanks, dlvd.	lb.	.29	—
Triethanolamine, dms., c.l., frt. alld. E	lb.	.23	—
l.c.l., same basis	lb.	.24	—
tanks, same basis	lb.	.21½	—
Triethylamine, dms., c.l., works, frt. alld	lb.	.31½	—
l.c.l., same basis	lb.	.32½	—
tanks, same basis	lb.	.30	—
Triethyl citrate, dms	lb.	.34	.36
smaller containers	lb.	.39	.45
Phosphate, dms., works, c.l	lb.	.38	—
dms., l.c.l., same basis	lb.	.39	—
tanks, same basis	lb.	.37	—
Triethyleneglycol, dms., c.l., frt. alld., E	lb.	.20½	—
l.c.l., same basis	lb.	.21½	—
tanks, same basis	lb.	.19	—
Triethylenetetramine, dms., c.l., works	lb.	.51½	—
l.c.l., works	lb.	.52	—
tanks	lb.	.50	—
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald., basis 100%	lb.	.36	—
l.c.l., works, frt. alld., basis 100%	lb.	.38½	—
tanks, works, frt. equald., basis 100%	lb.	.33	—
Trimethylhexanol, dms., c.l., works.	lb.	.29½	—
l.c.l., works	lb.	.30	—
tanks, works	lb.	.28	—
Tripentaerythritol, bgs., l.c.l. works	lb	.36	—
Triphenyl phosphate obls., c.l., frt equald	lb.	.32	—
l.c.l., frt. equald	lb.	.33	—
Triphenylguanidine obls., works	lb	.90	—
Tripoli air-floated, bgs. c.l. works.	lb.	.0175	—
double-grd., bgs., c.l., works	lb.	.016	—
single-grd., bgs., c.l., works	lb.	.015	—
Trisodium fluoroacetate (see sodium fluoroacetate (tribasic).			
Trisodium phosphate (see Sodium phosphate, tribasic).			
Trypsin, 1:25, dms., works	lb	2.30	—
1:50, dms., works	lb	4.25	—
1:75, dms., works	lb	5.50	—
1:100, 6b. dms., works	lb.	5.50	—
Tryptophane, dextro-laevo, fib. ctns. works	kilo.	207.00	242.00
Tuba root (see Cube root)			
Tungsten metal powd., 99.9%, dms. works	lb	4.75	—
Oxide, kgs., works	lb	2.85	—
Turmeric root, Alleppey, bgs, afloat.	lb.	.35	.35¼
Haitian, bgs	lb.	No stocks.	
Jamaica, bgs., afloat	lb.	.10	.10¼
Madras, bgs.	lb.	.16½	.17
Turpentine, gum (see Naval Stores Protective Coatings market).			
Sulphate, ret. dms., East	gal.	.23	—
Wood, dest.-dist., dms., incl., c.l., works, South	gal.	.40	—
l.c.l., same basis	gal.	.41	—
N. Y. whse	gal.	.47	—
tanks, works, South	gal.	.27½	—
steam-dist., dms. incl., c.l., works	gal.	.50	—
l.c.l., works, South	gal.	.56	—
ex whse., NYC	gal.	.64	—
tanks, works	gal.	.34	—
Tyrothricin, bots.	gram.	1.00	1.10

U

Urethane, USP, dms	lb.	1.25	—
Unicorn root, false (see Helonias root). True (see Aletris root).			
Uranium oxide, black, bgs	lb	2.55	—
yellow, kgs.	lb	1.65	—
Urea, dom., 46% N, bgs., c.l., wks.	lb	.04¼	—
l.c.l., works	lb.	.05	—
fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east	ton	94.00	—
bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west	ton.	103.58	—
30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east	ton.	98.00	—
40 tons, distributors, frt. alld. Colo., Mont., Wyo., and west	ton.	107.15	—
Urea-ammonia liquor, A and B grades, N basis, Belle, W Va	ton.	125.00	—
C and D grades, same basis,	ton.	123.50	—
37 grade, same basis	ton.	147.50	—
Uva ursi leaves, bls	lb	.10	.14

V

Valerian root, Belgian, NF, bls	lb.	.40	.45
Valine, dextro-laevo, dms., works	lb.	22.50	27.50
Valonia beards, bgs., ex dock	ton.	No stocks.	
Cups, bgs., ex dock	ton.	52.00	—
Extract, powd., bgs., ex dock, duty extra	lb.	.07½	.14
Vanadium pentoxide, CP, bgs., cns., works	lb.	7.00	—
tech., dms., works	lb.	1.00	1.06
Vanilla beans, Bourbon, tins	lb.	4.75	5.25
Mexican, cuts, tins	lb.	6.25	6.50
whole, tins	lb.	7.50	7.75
Tahiti, cs	lb.	2.75	3.25
Vanillin, ex eugenol, tins, 25 lbs	lb	4.00	—
smaller lots	lb	4.05	—
ex-guaicol, tins, 25 lbs	lb.	3.00	—
smaller lots	lb.	3.05	3.15
ex lignin, tins, 25-lb. lots	lb	3.00	—
smaller lots, tins	lb.	3.05	3.15
Vinyl acetate, 55-gal. dms., works	lb.	.16	.16½
5-gal. cns., works	lb.	.30	—
tanks, works	lb.	.15	—
Butylether, normal, tech., dms., c.l., works	lb.	.28	—
l.c.l., works	lb.	.30	—
tanks, works	lb.	.27	—
Ether (see Ether, divinyl)			
Ethylether, tech., dms., c.l., wks.	lb.	.28	—
l.c.l., works	lb.	.30	—
tanks, works	lb.	.27	—
Isobutylether, tech., dms., c.l., works	lb.	.28	—
l.c.l., works	lb.	.30	—
tanks, works	lb.	.27	—
Methylether, cyls., works	lb.	.30	—
tanks, works	lb.	.27	—

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).			
Vinylpyridin, ret. dms., works	lb.	1.50	—
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units			
1,000,000 units.		.025	—
lots of 1 billion USP units. 1,000,000 units.		.03	—
lots of less than 1 billion USP units. 1,000,000 units.		.035	—

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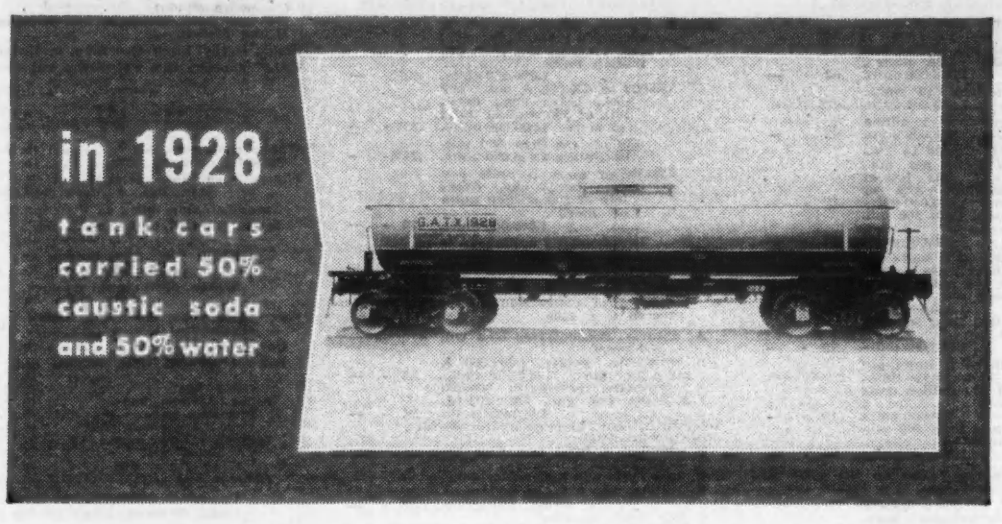

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Viosterol in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units . . 1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units. 1,000,000 units. .03 - —

Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units . . 1,000,000 units. .21 - —
351,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more . . 1,000,000 units. .18 - —
lots of less than 500 million units . . 1,000,000 units. .22 - —
451,000 or more A units per gm., bots, cns., dms., lots of 500 million units or more . . 1,000,000 units. .19 - —
lots of less than 500 million units . . 1,000,000 units. .23 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more . . 1,000,000 units. .19½- —

Vitamin A, nat. 200,000 to 350 A units per gram, bots., cns., dms., lots of less than 500 million units . . 1,000,000 units. .23½- —
350,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more . . 1,000,000 units. .30½- —
lots of less than 500 million units 1,000,000 units. .24½- —
451,000 or more A units per gm., bots., cns., dms., lots of 500 million units or more . . 1,000,000 units. .22 - —
less than 500 million units million units. . . . . 1,000,000 units. .26 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm . . 1,000,000 units. .24 - —
A, synthetic, palmitate, 500,000 A units per gm., frt. adjstd. 1,000,000 units. .24 - —
Vitamin B, (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12} vials, 25, 100 and 500 milligrams . milligram. 2.52 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls . . . . . lb. 1.50 - 1.75
Tree bark, bls . . . . . lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock . ton. 65.00 - —
merchantable, bgs., ex dock. ton. 62.50 - —
extract, liquid, 35% tannin, bbls., works . lb. .07½- .08
solid, E. Afr., 61% tannin, ex dock, duty extra . lb. .06¾- —
S. Afr., 62% tannin, ex dock, duty extra . lb. .06¾- —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot . . . . . lb. .44 - .45
Bees, bleached, USP, bricks, cs. . . . . lb. .62 - .63
slabs, bgs . . . . . lb. .61 - .62
crude, African, bgs . . . . . lb. .44 - .45
Brazilian, bgs . . . . . lb. .52 - .53
Cent. American, bgs . . . . . lb. .48 - .50
refined, yellow, bricks, cs . . . lb. .52 - .53
slabs, bgs. . . . . lb. .51 - .52
Candelilla, crude, bgs . . . . . lb. .46 - .47
refined, bgs . . . . . lb. .49 - .50

Powdered candelilla, 20 mesh, 5c, per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.

Carnauba, chalky, bgs., ton lots lb. No stocks.
North Country, No. 2, ton lots lb. .72 Nom.
Wax, carnauba, North Country, No. 3, crude, bgs., ton lots . lb. .68 - .70
refined, bgs., ton lots . . . . . lb. .73 - .75
yellow, No. 1, bgs., ton lots . lb. .88 - .90
No. 2 . . . . . lb. .86 - .88

Powdered carnauba price differentials same as powdered candelilla.

Japan, bgs . . . . . lb. .67 - .70
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis . lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis . lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis . lb. .17 —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½ —
Montan, dom., black, raw . . . . . lb. .25 - .25½
refined . . . . . lb. .31 - .32
Bohemian, bgs . . . . . lb. .15 - .16
German, bgs . . . . . lb. .16 - .17
Ouricury, refined, bgs., ton lots lb. .74 - .76
Paraffin (see P.)
Spermaceti, blocks, cs . . . . . lb. .25 - .27
cake, cs . . . . . lb. .26 - .28
Sugar cane, crude, imp., bgs . . lb. .35 - .37
refined, dom., slabs, works lb. .60 .65
imp., bags, N. Y . . . . . lb. .40 - .42
White lead (see Lead, white)
White pine bark, rossed, bls . . lb. .17 - .19
White precipitate, USP powd., dms., 50 lbs lb. 2.00 —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works. ton. 6.00 - 10.00
smaller lots, works ton. 6.50 - 15.00
wet-grd., bgs., c.l., works . ton. 16.00 - 30.00
smaller lots, works . . . . . ton. 21.00 - 35.00
Paris white, bgs., c.l . . . . . ton. 24.00 - 31.00
l.c.l. . . . . whse. ton. 25.00 - 40.00
Precipitated, bgs., c.l. . . . . ton. 18.00 - 20.00
l.c.l. . . . . ton. 25.00 - 35.00
Wild cherry bark, thick, natural, bls lb. 06 - 07
rossed, bls . . . . . lb. No prices.
thin, natural, bls. . . . . lb. .13½- 16
rossed, bls . . . . . lb. .17 - 18
Wild indigo root, bls. . . . . lb. .30 - .31
Wild yam root, bls. . . . . lb. .16 - 17
Witch hazel leaves, bls . . . . . lb. .25 - .27
Woodflour, 40 mesh, bulk, c.l., works, East ton. 32.00 —
l.c.l., same basis ton. 40.00 —
60 mesh, bulk, c.l., same basis ton. 37.00 - —
basis ton. 37.00 - —
l.c.l., same basis ton. 45.00 —
80-100 mesh, bulk, c.l., same basis ton. 40.00 - 45.00
l.c.l., same basis . . . . . ton. 50.00 - 55.00
Woodflour in bgs. extra, returnable
Woolfat (see Lanolin).
Wormseed, American, bgs . . . . . lb. .13 - .14
Levant, bgs . . . . . lb. 4.15 - 4.25
Wormwood leaves, bls . . . . . lb. .35 - .45

X

Xanthorrhiza root, bls . . . . . lb. .28 - .30
Xylene (see Xylol)
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald . . . . . lb. .193 - —
l.c.l., same basis . . . . . lb. .196 - —
tanks, same basis . . . . . lb. .18 - —
45°-47°C. dms., c.l., frt. equald . . . . . lb. .153 - —
l.c.l., same basis . . . . . lb. .156 - —
tanks, same basis . . . . . lb. .14 - —
fractions, over 7°C, b.p., dms., c.l., same basis gal. .81 - —
l.c.l., same basis . . . . . gal. .84 - —
tanks, same basis . . . . . gal. .70 - —
Meta fraction, over 7° C, dms, c.l., same basis gal. .96 —
l.c.l. same basis . . . . . gal. .99 - —
tanks, same basis . . . . . gal. .85 - —
Xylidins, mixed, dms . . . . . lb. .45 .50
Xylol, coaltar, industrial, tanks, works —
Bethlehem, Pa . . . . . gal. .26 —
Birmingham district . . . . . gal. .23¼- —
Chicago district . . . . . gal. .26½- —
Cleveland district . . . . . gal. .26 - —
Danzerfield, Tex. . . . . gal. .27 —
Hamilton, Ohio . . . . . gal. .25 —
Johnstown, Pa . . . . . gal. .24 - —
Lackawanna, N. Y . . . . . gal. .24 - —
Pittsburgh district . . . . . gal. .23 - —
Sparrows Point, Md. . . . . gal. .26 - —
St Louis, Mo . . . . . gal. .28 —
Syracuse, N. Y. . . . . gal. .23½- —
Terre Haute, Ind . . . . . gal. .28 - —
Wyandotte, Mich . . . . . gal. .27 - —
Youngstown, Ohio . . . . . gal .23½ .25
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y . . . . . gal. .26 —
Bayonne, N. J. . . . . gal. .28 —
Baytown, Tex. . . . . gal. .26 - —
Chicago, Ill . . . . . gal. .27 - .28
Detroit, Mich. . . . . gal. .28 —
Philadelphia, Pa. . . . . gal. .28 —
Providence, R. I. . . . . gal. .28 —
Wood River, Ill . . . . . gal. .27 - —

Y

Yara, yara, cns . . . . . lb. 2.00 2.25
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb dms lb. .44 .46
80 B units per gram, 100 lb. dms lb. .49 .51
200 B units per gram, 100 lb. dms lb. .53 .55
300 B units per gram, 100 lb. dms lb. .57 .59
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .30¼- —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

SURE RELIEF for shipping headaches

Pack your product in a Continental steel container

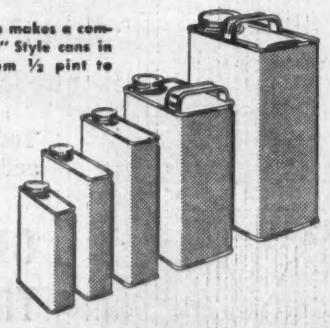
Shipping headaches go away fast when you come to Continental. We can supply you with just the right steel container for every chemical product from anti-freeze to adhesives.

Continental's rugged pails and drums are built to take it. They protect your products during every mile of travel, weather the roughest handling, and come up beaming sales appeal.

There's no question that it is sound salesmanship to put your trademark and sales message on the side of every pail and drum you ship—and the better the lithography, the better the salesmanship. Continental's master lithographers have the skill and experience to lithograph your steel containers in colors and designs that really sing. Another good sales idea is to standardize the labels of your entire line and give it a family appearance.

Why not check with Continental today and get all the facts about Continental steel containers?

Continental also makes a complete line of "F" Style cans in every size from ½ pint to one gallon.



CONTINENTAL CAN COMPANY

Eastern Division: 122 E. 42nd St., New York 17 Central Division: 135 So. La Salle St., Chicago 3 Pacific Division: Russ Building, San Francisco 4

Yellow, benzidin, bbls., dlvd.	lb.	1.60	- 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies.	lb.	2.65	- —
Lithopone, all shades, bbls., frt. alld. E. of Rockies	lb.	.95	- —
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock apolis, Rock Island	lb.	.25	- —
Dlvd Ala., Fla., Ga., La. (Shreveport) 1½c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago			
Hansa, bbls., same basis as chrome	lb.	1.60	- 1.70
Primrose, bbls., same basis	lb	1.90	2 10
Iron oxide, natural, bgs., c.l., works	lb.	.0141	0250
t.c.l., works	lb.	0166	0275
French type, bgs., c.l.	lb.	.04½	—
t.c.l.	lb.	.04¾	—
Peruvian type bgs., c.l.	lb.	0185	.0210
synth. bgs., c.l. works	lb.	.09	—
t.c.l. works	lb	09¼	—
Mercury oxide, bbls., 1,000 lbs	lb.	1.93	- —
smaller lots	lb.	1.95	—
Ocher American golden, bgs., works	lb.	.01¼	.02¾
Zinc, bbls same basis as chrome	lb.	.21	—
Yellow dock root, bls	lb.	18	.25
Yellow xanthorrhiza (see Xanthorrhiza)			
Yerba santa leaves, bls	lb.	.28	.30
Yohimbine hydrochloride vls	oz.	3.25	4 00

Z

Zein, bgs., 36,000 lbs., works	lb.	.30	—
1,000 lbs. to 36,000 lbs., works	lb.	.32	- —
smaller lots works	lb	35	- —
Zinc acetate, tech., bbls., dms	lb.	25¼	—
NF, dms	lb	38	—
Arsenite bgs. c.l. frt. alld. E. of Rockies	lb	No stocks.	
t.c.l. same basis	lb	No stocks.	
Borate, bgs., c.l., dlvd. E.	lb.	.16	- —
t.c.l., dlvd E.	lb.	.17	- —
Carbonate, purified, powd., dms.	lb.	.26	—
tech. rubber makers', bgs., works	lb.	.10¾	- .11¼
precipitated, powd., dms.	lb.	.28	- —
Chloride, tech., fused, dms., c.l., works	100 lbs.	7.00	- —
t.c.l., works	100 lbs.	7.40	- —
gran., bbls., c.l., works.	100 lbs.	7.75	- —
t.c.l., works	100 lbs.	8.15	- —
solution 50% dms., c.l., works.	100 lbs.	3.90	- —
t.c.l., works	100 lbs.	4.50	- —
tanks, works	100 lbs.	3.25	- —
NF, gran., dms	lb	42	—
Chromate (see Yellow, zinc).			
Cyanide, kgs., works	lb.	38	.41
Dust, bbls., c.l., works	lb.	.1225	—
dlvd.	lb.	.1250	—
t.c.l., works	lb.	1260	.1325
Fluoride, bbls., works	lb.	.40	- —
Hydrosulphite, dms., c.l., frt. alld.	lb.	.17¼	- —
t.c.l.	lb.	.17¾	.19¾
Iodide, NF, jars	lb.	4.85	—
Laurate, bbls	lb.	.45	.46
Linoleate solid, 9½%, bbls	lb.	42½	—
Metal slabs, E. St. Louis	lb.	.12	- —
Naphthenate, liquid, 8% Zn., frt. alld	lb.	.20¾	- —
10% Zn. dms., frt. alld	lb.	.25¼	- —
Oleate, fused, bbls	lb.	.36	- —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.12¼	- .12¾
t.c.l., dlvd.	lb.	.13¼	- .13¾
American process, com'l, lead-free, bgs., c.l., dlvd	lb.	.12¼	- .12¾
t.c.l., dlvd	lb.	.13¼	- .13¾
leaded, 5%, bgs., c.l., dlvd	lb.	.12¼	—
t.c.l., dlvd	lb.	.13¼	—
35%, bgs., c.l., dlvd.	lb.	.12⅜	—
t.c.l., dlvd	lb.	.13⅜	—
50%, bgs., c.l., dlvd.	lb.	.12½	—
t.c.l., dlvd	lb.	.13½	—
French process, com'l, leadfree, bgs., c.l., dlvd.	lb.	.14½	—
t.c.l., dlvd	lb.	.15½	—
green seal, bgs., c.l., dlvd	lb.	.14	- —
t.c.l., dlvd	lb.	.15	- —
red seal, bgs., c.l., dlvd.	lb.	.13½	—
t.c.l., dlvd	lb.	.14½	—
white seal, bgs., c.l., dlvd	lb.	.14½	—
t.c.l., dlvd	lb.	.15½	—
USP, ctns., c.l., dlvd	lb.	.15½	—
l.c.l., dlvd	lb.	.16½	—
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.			
Thionosulphonate, NF, gran., bbls., dms	lb.	.33	- .34
powd., bbls	lb.	.36	.37
Resinate, fused, 1% Zn. dms., frt. alld.	lb.	.20	—
precip., dms. frt. alld	lb	.22	—
Silicofluoride, bbls., works	lb.	.10	- .10½
Stearate, tech., USP, ctns., c.l.,	lb.	.34	- —
ton lots	lb	.35	- —
less ton lots	lb.	36	- —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld	100 lbs.	5.60	- —
l.c.l., same basis	100 lbs.	6.00	- —
flake, 25½% Zn, bgs., c.l., works, dlvd.	100 lbs.	4.80	- 5.30
l.c.l., works	100 lbs.	5.20	- 6.05
powdered, 36% Zn., bgs., c.l., dlvd., same basis	100 lbs.	7.00	- 7.40
l.c.l., same basis	100 lbs.	7.40	- 8.15
Zinc sulphate in bbls. 40c higher			
USP, gran., dms	lb.	.22	- .32½
Sulphide, pure, bgs., c.l., dlvd.	lb.	No prices.	
t.c.l., dlvd	lb.	No prices.	
Barium pigment, bgs., c.l., dlvd.	lb.	No prices.	
t.c.l., dlvd	lb.	No prices.	
Calcium, pigment, bgs., c.l., dlvd.	lb.	No prices.	
t.c.l., dlvd	lb.	No prices.	
Luminescent pigment, dlvd	lb.	No prices.	
Magnesium pigment, bgs., c.l., dlvd.	lb.	No prices.	
t.c.l., dlvd	lb.	No prices.	
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.			
Yellow (see Yellow, zinc)			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	7.00	- —
l.c.l., works	100 lbs.	7.40	- —
Zinc-cadmium sulphide, fluorescent, cns., frt. alld	lb.	2.00	- 2.60
Zinc-calcium resinate, dms., c.l., works	lb.	.1180	- .1360
t.c.l., same basis	lb.	.1220	- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works	lb.	.21¼	- —
normal, dms., works	lb.	.43	- —
Zircon (see Zirconium silicate).			
Zirconium acetate, 13% sol. ZrO_2, bbls., works	lb.	.21¼	- —
Carbonate, basic, cake, bbls., works	lb.	.30½	—
Hydride, cns., works	lb.	7.00	- 8.00
Nitrate, dms., works	lb.	1.75	- —
Oxide, 98½-99% white, grd., bbls. or bags, works	lb.	1.50	- —
lump, electric-fused, bgs., c.l., works	lb.	.44	- —
5 tons, works	lb.	.44½	- —
1 ton or less, works	lb.	.45	.48
milled, electric-fused bgs., c.l., works	lb.	.59	- —
5 tons, works	lb.	.59½	- —
1 ton or less, works	lb.	.60	.63
Oxychloride, crvst., ctns., 5 tons, works	lb.	.29½	- —
Silicate, granular, bgs., c.l., works.	lb.	.03¼	- .03¾
10 tons, works	lb.	.03½	.04
5 tons, works	lb.	.04	—
1 ton or less, works	bl.	.04¼	- .04¾
milled, bgs. c.l., works	lb	.04¾	—
5 tons, works	lb	.05¼	—
1 ton or less works	lb	.05¾	.06¼
refined, bgs., c.l., works	lb.	.11	—
works	lb.	.11	- —
5 tons, works	lb.	.11½	—
1 ton or less, works	lb.	.12	.16
Sulphate, cryst., ctns., c.l., works.	lb.	.37½	- —
5 tons, works	lb.	.38	- —
1 ton or less, works	lb	38¼	.39

Amer. Cyanamid Names Lull to Western Sales

Industrial chemicals division of American Cyanamid Company, New York, has appointed Robert W. Lull west coast sales-service engineer for the concern's paper chemicals department. Mr. Lull will be located in Portland, Ore., and will assist paper mills in the application of chemicals made by Cyanamid for the paper industry. He comes to his present assignment after a year at the firm's Stamford (Conn.) Research Laboratories. Previously he was with Hammersley Manufacturing Company, Garfield, N. J.

Pennsalt Promotes Millar

Pennsylvania Salt Manufacturing Company has appointed R. Visscher Millar as assistant controller, a newly-created office. Mr. Millar joined the company in 1940 as assistant advertising manager in the laundry and dry cleaning department. Following service in the army from 1941 to 1946 he returned to Pennsalt to head up its forecasting and budgeting department, which he will continue to direct as a function of his new office.

Canadian Imports: Feb.

Imports of specified commodities into Canada have been published by the dominion's Department of Trade and Commerce. Among the listings for February, 1950, compared with February of 1949, and the January-February period of 1950, are the following products:—

	February 1950	February 1949	Jan.-Feb. 1950
Acids	$415,000	$310,000	$845,000
Animal oils, fats, greases	234,000	541,000	590,000
Cellulose products	453,000	380,000	945,000
Chemical products, other	3,107,000	2,989,000	6,488,000
Coal products	914,000	1,096,000	1,977,000
Drugs and medicines	1,388,000	952,000	2,482,000
Dyeing and tanning materials	892,000	869,000	1,978,000
Fertilizers	520,000	445,000	926,000
Gums and resins	413,000	338,000	858,000
Inorganic chemicals, n.o.p	1,222,000	1,477,000	2,381,000
Paints and varnishes	1,203,000	1,005,000	2,424,000
Petroleum, crude	10,153,000	11,562,000	23,256,000
Petroleum products, n.o.p	5,085,000	4,353,000	8,162,000
Rubber and products	1,384,000	1,196,000	3,002,000
Synthetic resins and ducts	1,384,00	1,196,000	3,002,000
Tin	595,000	2,186,000	659,000
Vegetable oils	2,182,000	2,297,000	4,293,000
Wax, mineral and vegetable	200,000	185,000	486,000

Pittsburgh Spergon-sl*

A safer, better seed protectant

Pittsburgh Spergon-sl is a non-metallic organic chemical fungicide . . . a highly effective protectant against the harmful fungi that cause seed decay and "damping off" of plants in the early post-emergence stage. Spergon-treatment of seeds, prior to planting, largely prevents seed and crop losses, as well as delays caused by necessity for reseeding.

Best of all, it is a really *safe* protectant to use . . . *safe* for humans, for animals, and for the seed itself. It is non-irritating to flesh or to the sensitive mucous membrane of the operator. And even an over-application of it cannot harm most valuable seed. More, this dry wettable powder can be used in either the slurry method or as a dry seed treatment and will not cause sticking or clogging in seed drills. It can be safely applied, too, with legume inoculation bacteria, if used according to directions. For corn, peas, beans, alfalfa and many other seeds, *Pittsburgh* Spergon-sl is the "perfect" protectant.

Write for a bulletin giving full technical information.

* Registered trade name for tetra-chloro-para-benzoquinone

Pittsburgh Phygon-xl* . . .

a new improved fungicidal spray

Pittsburgh Phygon-xl is a highly effective spray for the control of many of the fungous diseases of fruit trees, ornamental shrubs, and vegetables. It may be utilized, also, as a seed protectant.

It is easy to use, may be added directly to the water in the spray tank and is compatible with lead arsenate, DDT, Rotenone and Chlordane.

Ask for a bulletin giving full information about application.

* Registered trade name for 2, 3-dichloro-1, 4-naphthoquinone

PITTSBURGH AGRICULTURAL CHEMICAL COMPANY
Empire State Building • 350 Fifth Avenue • New York 1, New York

Division of
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World Trade Plan Needed

Not all the designative words and phrases widely applied to the Havana charter for the International Trade Organization are appropriate—they could not be! But, there can be no question of what the United States Council of the International Chamber of Commerce has to say—among other things—that the scheme is unsatisfactory. Unfortunately, the problem presented by that condition is all too generally, in fact almost wholly, dealt with negatively.

So, there is something encouraging about the aforementioned council's recommendation that the United States government take the initiative in the United Nations for the establishing of a commission on commercial policy designed to create an international trade relationship which would be what was originally proposed for the International Trade Organization. A further and better step is the proposal that a private organization be created to function in the areas of international trade in the manner that the Committee for Economic Development deals with domestic affairs.

One of the chief reasons for dissatisfaction with the ITO scheme developed largely along political lines lies in the fact that businessmen in the United States have not adequately come to realize that this is 1950, not 1910, and that the two world wars which have intervened wrought revolutionary changes in the social and commercial, as well as the political, aspects of world economy. American business is more disturbed over the probable importation of, at most, 1 percent of the total value of domestic production than are the businesses of the rest of the world in recognition of the fact that the wartime performance of United States industry indicated that this country can produce, at least, 75 percent of the world's needs in manufactured goods.

Business should do its part to make the world a more satisfactory place to live in. It can do much in that direction by developing a scheme of world trade which will be what businessmen expected and welcomed in the launching of the ITO idea.

The head of the Economic Cooperation Administration said in dissenting from the finding of the USCICC executive committee, "when the choice lies, however, between having an International Trade Organization where we can thrash out these provisions and work from the inside, and perhaps have no ITO for another decade, I favor the charter." But, that should not be the only choice. Business can create a satisfactory organization. It can have the assistance of government in that task. That is what should be done.

Union-Made Morals

"Every worker," said a labor-union spokesman at a recent hearing before a senate committee, "has the moral duty to support the union with his dues. It is manifestly unfair," he continued, "that union members should support free riders who receive benefits by way of union contracts but pay nothing to support union activities." The union-made sort of morals appears to be wholly one-sided—for the union.

What sort of regard for morals or ethics is there in a strike which compels wholly impartial persons to climb apartment-house stairs? What is there moral or ethical about a hundred engineers playing sick and depriving the public of necessary railroad service? Is it a "moral duty," according to the union-made code, that men who want to work be beat up by goons; that property be wrecked? What can there be of morals or of duty in union third and uninvolved parties' "respect" for a picketline, which deprives the public of services wholly dissociated from the matters which are picketed?

One can search carefully through any interpretation of the ethical division of the Decalog and find no support for a "moral duty" which seeks primarily to enforce a selfish intent. When that purpose is backed up with damage to person or property, its morals become wholly a minus quantity.

The union version of the Golden Rule and the Sermon on the Mount have not the least resemblance to their originals. The counsel of that version is to do others for everything conceivable at whatever cost—to both employer and employees. Its major tenet is that neighbors are goofs to be deprived of everything necessary in order that their needs may add to the pressure of strikers' demands.

Organized labor has a justified place in today's economic setup. But, its role does not encompass the right to revise the moral code for the service of its purposes. Of course, being human, it cannot be expected in everything to practice what it preaches. Those whose duty—whether moral or whatever—it is to enforce the ethical proscriptions desired by the majority, should not, however, be hypnotized by the use of right words in wrong places.

For a Friendly World

Much ado has come about because Herbert Hoover made a suggestion that the United Nations would be improved in stature and service by being reorganized so as to exclude the socialistic elements which are clearly incompatible with the others. The controlling thought of the many who take issue with that counsel seems to be that the structure of the United Nations must be kept in conformity with the original blueprint or the organization will cease to exist. Nothing could be farther from the truth.

It is puzzling to find UN officials declaring that there would be no world organization, no world collaboration if recognition were denied to the mongrel socialistic nations. If there is now, with the participation of those nations, a world organization or any degree of world collaboration in the United Nations, it is not recognizable. The organization is at the mercy of the recalcitrant nations: what they do not want is vetoed. If that is anything to which the designation, "world," is properly applicable, the word has lost all its ordinary meaning. As those recalcitrants represent but a minority of the world's nations, certainly something which represented the majority, rather than that minority, would more closely approach world stature.

Some who customarily think quite clearly on world affairs have gone off the beam in their cogitating on a more unified, more harmonious organization of nations. They say that the Hoover proposal aims at isolationism for those who really would try to weld the world in a cooperative brotherhood. That is far from the truth. The aim is ostracism for those who do not measure up to the needs of the world.

In this, as in all matters of world affairs, business can do much to effect a desirable and beneficial development by joining in that ostracism, refusing to deal in either direction with any people that has demonstrated its unfitness for friendly association. There are many things in life, even for business, which are much more to be desired than profits.

For the Bookshelf

PAINTS. Cloth; iv+70 pages. London: His Majesty's Stationery Office. $1.25.

This is volume 2 in a series of selected government research reports issued by the Ministry of Supply and published for the technical information and documents unit of the Board of Trade. It is available from British Information Service, 30 Rockefeller plaza, New York 20, postpaid at the price noted above.

Eight reports are given in this volume. Their value is adequately presented by their subjects:—(1) Extraction and uses of blood albumin; (2) the viscosity of paints and suspensions; (3) temperature sensitive paints; (4) the effect of surface treatment of brass and yellow metals on the adhesion of paint films, with special reference to the painting of optical equipment; (5) tests on some special base paints for the protection of magnesium alloys; (6) ground flax shives as a substitute for pigment dyestuffs; (7) the effect of heating on the corrosion resistance of chromate treated and painted magnesium alloy castings; (8) tests on phenyl-mercury acetate as a fungicide in paints for the protection of magnesium alloys.

Washington Talks It Over

—Continued from page 5

Industries, a chemical and cosmetics concern, since 1946. He served in the navy during the war, and previously he was treasurer of the Winthrop Chemical Company, and in charge of its export market. From 1934 to 1936 he was export manager for Bayer Products, Ltd., London.

Oil Refractometry Cheapened

A new device has been developed by the Department of Agriculture and the Bausch & Lomb Optical Company, in a research project under authority of the research and marketing act, for simple, rapid determination of the quality of flaxseed and soybean oils, as measured by the "iodine number" of the oils. The device will be available commercially soon.

Heretofore, the question whether an oil is more suitable for use in paints or in foods has been answered through use of an expensive refractometer, operated by a skilled technician. The answer depends on the iodine number of the oil, which the refractometer measures. If the iodine number is high, the oil is better for paints, and if it is low, the oil is better for food uses. The refractometer that has been used generally, with its accessories, costs about $2,000.

The new device is a hand refractometer for measuring the iodine number. It is simpler than the refractometer now generally used; it costs only about $200; and no particular skill is required to operate it. Both the old and the new devices give the measurement of oil quality in about five minutes.

Unemployment Funds Big

Notwithstanding the high rate of unemployment insurance benefit payments over the fourteen months ended February 28, this year, most state reserves for benefit payment purposes are still large enough to meet any contingency in the foreseeable future, says the Department of Labor. In only one or possibly two instances have state reserves been depleted to the point where they would be in danger of insolvency in event of another sharp increase in unemployment.

Robert C. Goodwin, director of the Bureau of Employment Security, said that, as of March 1, the balance in the federal unemployment trust fund credited to the fifty-one separate accounts maintained for the forty-eight states, two territories, and the District of Columbia, aggregated $6,865,000,000. This figure represented a decline of about $732,000,000 from the all-time trust fund high on December 31, 1948.

Over the fourteen months ended February 28, the State employment security agencies which administer the State unemployment insurance laws, paid out in benefits to eligible unemployed workers a total of approximately $2,100,000,000. In about two-thirds of the states, the funds disbursed for benefit purposes exceeded the amounts taken in as unemployment insurance taxes and interest earned on reserve funds. In most of these states, however, the excess of benefits paid out were easily financed from trust fund reserves built up during the war and immediate postwar years.

Weed-Control Popular

Weed-control chemicals, methods and practices are known to nearly everybody today as a big thing in American agriculture. Scientists and technicians of the Department of Agriculture, of state experiment stations, and of commercial concerns have been working from many angles and the effects are widespread.

One of the agronomists of the department, L. M. Stahler, talking recently before the Agricultural Equipment Research Conference at Ames, Iowa, said the most important result is that:—

"We have convinced five to six million farmers that weed-control can be practically and profitably adopted by them as a routine agricultural practice. Their knowledge and experience in weed control, their growing interest, and their native recognition of a sound investment in a profitable practice assures us that, in future years, there will be an ever-growing demand for more research, improved practices, and more and better equipment for applying the practices in the nation's agriculture."

Electricity on the Farm

Only fifteen years ago nine farms out of ten did not have electric service. Now eight farms out of ten do have electric service: fewer than two farms out of ten do not have electric service.

These simple facts, says the Department of Agriculture, are the easy-to-understand record of fifteen years of the Rural Electrification Administration. It is a record of achievement that will be celebrated this week (May 11) by REA and many organizations that have benefited by the REA program.

REA came into being May 11, 1935, under an executive order. In its fifteen years REA has approved more than $2,000,000,000 in loans.

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Heavy Chemicals

Price advances were recorded in tin chloride, metallic lead and zinc last week. Increased demand and a tightening of offerings accounted for the upward revisions in the metals. Tin was relatively quiet and steadier with price fluctuations narrowing down. Copper was decidedly firm under a heavy demand and a tendency to increase scrap prices. There was no change in prices for silver or quicksilver, the latter being more or less neglected at the present time. A major producer will advance basic prices for caustic soda, chlorine and soda ash on July 1.

Shipments of heavy chemicals have maintained a good average so far this month. While some slowing down is expected during the Summer months and the vacation period there is no indication at present of a slump such as featured the market over the hot weather season of 1949. The tight position of chlorine is being felt more acutely in the production of chlorine based chemicals and solvents. Consumers are not experiencing difficulty in securing prompt shipments of soda ash, although ash stocks are not as free as caustic soda. Potassium carbonate supplies have been kept low by a steady demand from glass plants. Copper sulphate shipments are behind schedule with industrial and agricultural demand strong. Agricultural demand has broadened for zinc sulphate. Sulphuric acid held a competitive position with output down at some plants where a seasonal check-up is taking place.

Paper production based on a percentage of six-day capacity was 103.9 percent for the week ending May 6, according to the American Pulp and Paper Association. This compared with 101.5 in the preceding week and 84.0 for the corresponding week in 1949.

Export figures appearing below, unless otherwise designated, are from the Department of Commerce.

Aluminum Sulphate—Domestic demand described as steady but not crowding production. Commercial is selling at $1.50 per 100 pounds in bags works and iron free at $2.75 same basis with l.c.l. quantities 40c. per 100 pounds higher. Exports in February totaled 1,399,157 pounds. Colombia received the largest shipments, 562,657 pounds; Cuba was second with 280,000, and Canada third with 241,300 pounds.

Ammonia, Anhydrous — Demand for agricultural use has held up well since the turn of the month. In producing quarters it was stated that April shipments proved very satisfactory. Stocks at present are not excessive but appear to be meeting current requirements without difficulty. Prices are unchanged for both agricultural and refrigeration grades.

Ammonia Liquor — March production was up 12.2 percent, according to the Bureau of Mines. The total was 3,490,110 pounds, compared with 3,110,112 for the preceding month and 4,172,572 pounds for March, 1949. Output for the first quarter was 10,755,967 pounds, against 12,414,775 for the corresponding period a year ago. Sales in March amounted to 2,541,118 pounds, compared with 2,563,093 in February and 3,402,630 pounds in March, 1949. Total for the first quarter this year was 7,536,968 pounds, against 9,417,145 for the same period in 1949. Stocks on March 31 were 1,175,796 pounds, against 1,328,024 on February 28 and 961,404 at the end of March last year.

Ammoniac Sal—Demand has not improved from the dry-battery trade and the movement of white granular has been dragging since the turn of the month. Stocks were adequate to meet the current extent of consuming inquiry.

Bauxite—In producing quarters $8.50 to $10.00 per ton for carlots, bulk at the mines was named. The market was described as quiet with no unusual shipments so far this month.

Calcium Carbide — February exports totaled 2,113,250 pounds and included 1,640,950 pounds to the Philippine Republic, 234,000 to Cuba and 100,000 to Greece.

Calcium Chloride—Exports in February amounted to 5,145,320 pounds. The largest shipments 4,880,000 pounds were destined to Canada. One of the producers has announced that a much higher percentage of its production this Summer will be packaged in 25-pound bags to meet the demand from small consumers for home dehumidification.

Carbon Tetrachloride—Regular contract consumers are getting shipments but there is not much left over for additional wants.

Market Trends

Prices Advanced

Lead, ½c. per lb.
Tin chloride, .037c. per lb.
metal, ¼c. per lb.
Zinc, ½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
216.3	216.3	215.3	216.4	223.7

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
121.9	121.9	121.9	121.8	122.0

(For Current Prices see Page 9)

The tight position of chlorine is keeping output down. February exports were 339,524 pounds, with Canada taking 231,109 pounds of the total.

Chlorine — Supply situation remained definitely tight, with the shortage holding down production of several chlorine-based chemicals. At present there is no indication of easement in sight, and some producers do not look for any improvement in stocks over the remainder of the year. The export movement in February was 1,030,511 pounds, and included 737,650 pounds to Canada, 143,300 to Mexico, and 70,011 pounds to Venezuela. A producer will advance prices 15c. per 100 pounds on July 1.

Copper Sulphate — Market position strong, with supply definitely tight. Demand for agriculture heavy, with practically all Eastern states inquiring for shipments except Maine and Connecticut. Industrial demand is said to be holding at 20 to 30 percent above normal, and is being supplied directly from production. Export demand active for Mexico and a sizable Spanish order has not been covered. A report was current that a former producer will start operations this week, with output confined to export orders.

Nickel Sulphate—Buying interest continued good, with prospects for expansion considered favorable, owing to increased activity in the auto industry. Stocks comfortable, with practically all producers in a position to consider prompt shipments.

Potash, Caustic — Although production has leveled off demand in some quarters, the supply continued relatively tight in others. Demand from the soap and chemical industries was described as steady both for liquid and dry form. Exports in February totaled 395,794 pounds, and included 156,850 pounds to Canada and 132,200 to Italy.

Potassium Carbonate—No relaxation in the movement to glass plants and demand continued at a high level last week, with the call for television tubes holding factory output at capacity levels. Both calcined and hydrated were in short supply, with shipments being made from production.

Potassium Chlorate—Practically all of May output is now under contract to match factories and considerable business has been placed for June shipment.

Soda Ash—Shipments holding steady, with production experiencing no unusual pressure to meet current demand. Stocks, while not as free as caustic soda, continued available for prompt shipment. Exports in February totaled 12,356,880 pounds, including 8,954,100 pounds to Mexico, 1,539,950 to the Philippine Republic and 496,325 pounds to Cuba. A major producer will advance the basic price 10c. per 100 pounds on July 1.

Soda, Caustic—Industrial demand fair, with shipments moving out on time and production sustained at a level to comfortably meet all current requirements. February exports ran up a total of 11,373,335 pounds of solid. The largest shipments, 3,486,350 pounds, were destined to the Philippine Republic; Mexico was second with 2,710,510 pounds, and Cuba third with 812,600 pounds. Exports of liquid were 6,983,411 pounds, with Canada taking 2,592,696 pounds, Cuba 2,491,623, and Mexico 1,898,242 pounds. One of the large producers will advance the basic price 15c. per 100 pounds July 1.

Sodium Bicarbonate—Shipments for export in February amounted to 1,186,799 pounds. The largest shipments, totaling 642,000 pounds, were destined to Canada. Venezuela was second with 208,461 pounds, and Colombia third with 117,400 pounds.

Sodium Chlorate—Since the turn of the month producers' shipments have been confined to contract consumers. Demand for weed-killing mixtures has been exceedingly heavy and producers at this

For Late Market Developments, See Page 4

time are not in a position to consider additional business. The supply position is definitely tight with no relief in sight at present.

Sodium Phosphates—Total exports for February amounted to 2,061,059 pounds and included 862,069 pounds to Germany, 394,030 to Canada, and 361,200 pounds to Mexico.

Tin Chloride — Stannous anhydrous closed higher last week. The stronger feeling in the metal and an increased consuming demand were responsible for the advance. Producers quoted 71.44c. to 72.44c.

Zinc Sulphate—Agricultural demand has increased during the past week with inquiries reaching the market all the way from Florida to Pennsylvania. The improved demand and the firm position of the metal have contributed strength to the sulphate market. The supply situation remained comfortable with prices steady at the late advance.

Acids

Chromic—Maintenance of production has kept the supply situation comfortable to meet current requirements promptly. Platers are taking on stocks to keep inventories at working levels. February exports totaled 62,901 pounds, including 53,000 pounds to Canada.

Hydrofluoric—Market position steady with shipments reported satisfactory in the aggregate, although it was stated that individual transactions are principally for current wants. Prices were unchanged.

Muriatic—Supply situation in better shape than in the preceding week. Demand active and being leveled off without much difficulty.

Oxalic—No unusual activity reported. Stocks continued plentiful to meet current requirements promptly at former price levels.

Sulphuric—Market situation continued competitive with stocks for prompt shipment rather tight. It was stated that production has been cut back at some plants on account of a Spring check-up. This is a seasonal occurence and of temporary existence. February exports totaled 200,796 pounds.

Production of sulphuric acid in Japan in 1949 was 2,583,200 metric tons. Monthly average output increased to 215,200 tons from 162,500 tons in 1948, the Ministry of International Trade and Industry reports.

Nonferrous Metals

Aluminum—Over six and a half million pounds more primary aluminum were produced in the United States in the first quarter of 1950 than in the first quarter of 1949, according to figures released by the Aluminum Association. Production of primary aluminum for the first quarter of 1950 was 322,425,008 pounds as compared to 315,913,849 pounds in 1949. Shipments of sheet, plate and strip by members of the association also showed an increase for the first quarter of 1950, with 259,772,157 pounds having been shipped in 1950 as compared to 258,798,426 pounds in 1949.

Copper—Definitely firm at the late advance with demand strong from practically all consuming sources. Supplies continued tight with scrap sellers withholding offerings because they expect higher prices. Electrolytic was held at 19½c. per pound delivered Valley basis.

Mine output of recoverable copper advanced 13 percent in March and was the largest for any month since March, 1949, according to the Bureau of Mines. On an average daily basis, however, March production exceeded that for February by only 2 percent. Among important copper-producing states only Montana, with a 30 percent gain, and Nevada, with 15 percent, had larger daily outputs in March. Arizona and Utah, the chief producers, with 11 percent increases, showed virtually no change on a daily average

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basis. New Mexico's rise of 9 percent represented a small daily average decline. Greater output of copper ore in the Summit Valley district caused Montana's gain. Nevada's increase was attributable to more than one property. Arizona's and Utah's increases coincided with the longer work period. The change in daily rate in New Mexico was not significant.

Lead—Advanced in price ½c., establishing the market for the common grade at 12c. per pound New York and 11.80c. St. Louis basis. Demand so far this month has continued active and it was stated that sales booked are substantially ahead of the total for April. Offerings were not liberal and stocks appeared to be in strong hands. Reports were heard that a large percentage of stocks being carried were purchased above current market quotations.

Manganese—A great improvement in the American manganese ore supply position was registered in 1949, the Office of International Trade, Department of Commerce, reported. Total United States imports of manganese ore rose from 1,124,000 long tons in 1948 to 1,379,000 tons in 1949, or an increase of nearly 23 percent. The 1949 increase in imports took place despite a sharp drop in shipments from Russia to the United States. Russia, which shipped 385,000 tons of manganese ore to the U. S. in 1948, supplied only 73,000 tons in 1949. The reduced Russian shipments were offset by greater imports from India, the Union of South Africa, and the Gold Coast. During 1949, India increased its shipments to the United States by 195,000 tons over 1948, while the Gold Coast increased its shipments by 213,000 tons, and the Union of South Africa by 122,000 tons.

Quicksilver — No new developments were uncovered last week. Current inquiry continued slow. Round lots, 100 flasks or over, were priced at $71, and smaller lots at $73 to $75 depending upon size and seller.

San Francisco—The quicksilver market here continues without change. The quotation on metal remains at $73 per flask.

Silver—Prices were sustained at the recent advance with consuming demand leaning toward expansion and production just about equal to requirements. At the close of the week, silver bullion was priced at 72¾c. per ounce in the New York market.

Tin—Not unusually active with fluctuations narrowing and following closely the trend of prices in London and Singapore. The market appeared to be developing a steadier tone with sales reported at intermediate prices ranging from 76¾c. to 77¾c. per pound for grade A on spot. June and July shipments could have been purchased about 1c. below the spot figure.

Zinc—Priced higher with demand active and stocks available for May and June mostly under contract. It was stated that consumers are now placing orders for July and August at prices current at time of delivery. Prime western was quoted at 12c. per pound East St. Louis basis.

Total slab zinc smelter output including all grades in April was placed at 75,877 tons by the American Zinc Institute. Stocks at the beginning of April were 59,776 tons. Shipments for domestic account were 73,389 tons, export and drawback 397 tons, government account 9,347 tons, making a total of 83,133 tons. Total shipments in March were 85,589 tons. Stocks at the end of April were 52,520 tons, compared with 59,776 on March 31. Unfilled orders on April 30 amounted to 57,486 tons, against a revised total of 55,433 at the close of March. Daily average production in April was 2,529 tons, compared with 2,514 in March and a daily average of 2,384 tons over 1949.

Philippine Imports In March Reported

Statistics on imports of American and foreign chemicals into the port of Manila, Philippines, during the month of March have been compiled by C. E. Maunchenheim, spokesman for Robot Statistics, New York.

Data on March arrivals in gross kilograms follow:—

Ammonium phosphate	98.438
Ammonium sulphate	91.763
Fertilizers, n.o.s.	308.040
Insecticides	63.290
Industrial chemicals, n.o.s.	101.626
Acids, n.o.s.	14.136
Acetic acid	46.753
Sulphuric acid	59.649
Ammonium bicarbonate	63.153
Anhydrous ammonia	26.887
Aluminum sulphate	87.441
Calcium carbide	376.023
Caustic soda	1,103.278
Liquid chloride	31.894
Potash chlorate	34.920
Gum rosin	182.606
Soda ash	718.806
Sodium hydroxide	227.345
sodium salicylate	21.772
Sodium silicate	305.073
Tallow	691.975
Paints, Allied Products	
Paints and enamels	1.084.502
Putty and wood fillers	22.151
Shellac	22.866
Stain dye	54.021
Varnish	28.728
Lacquer thinner	63.955
Water paints	61.837
Petroleum Products	
Brake fluid	38.963
Diesel oil, n.o.s.	5,958.840
Diesel oil, automotive	1,987.296
Lubricating oil	2,316.393
Paraffin	429.393
Petrolatum	262.449
Wax, n.o.s.	598.583
Fully-refined wax	51.250

Dow Promotes Richards Director of Engineering

Dow Chemical Company, Midland, Mich., has named L. J. Richards, previously chief engineer, to the newly-created position of director of engineering. At the same time, E. R. McLaughlin, former assistant chief engineer, has been appointed to succeed Mr. Richards in his previous post.

Mr. Richards, who in his new assignment will coordinate the activities of Dow's divisional engineering departments, joined the company in 1919, becoming chief engineer in 1934. Mr. McLaughlin came to the concern in 1918, becoming a squad leader in 1924 and assistant chief engineer in 1934.

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Flavoring Extract Makers Reelect Officers for 1950

Flavoring Extract Manufacturers Association at its convention meeting at Atlantic City last week reelected its complete slate of officers for the coming years. Elected president was John N. Curlett, McCormick & Co., Baltimore, Md.

The following officers were reelected with Mr. Curlett:—First vice-president, Frank D. Nowland, George H. Nowland Company, Cincinnati, Ohio; second vice-president, W. G. Grant, National Nugrape Company, Atlanta, Ga.; third vice-president, William H. Hottinger, jr., Boweys, Inc., Chicago; secretary, L. P. Symmes, Baker Extract Company, Springfield, Mass., and treasurer, Lloyd E. Smith, Virginia Dare Extract Company, Brooklyn, N. Y.

Partridge Heads Hall Labs

Dr. Everett P. Partridge, director of research of Hall Laboratories, Inc., and Calgon, Inc., both of Pittsburgh, Pa., has been named director of the former concern. He succeeds in the post Dr. Ralph E. Hall, who is continuing as a member of the board of directors and in a consulting capacity.

Dr. Partridge, who has done extensive research in the field of chemical reactions of boiler water with steel, has directed Hall and Calgon research since 1935.

U. S. Steel Discontinues Zinc Operations in N. Y.

U. S. Steel Corporation, Pittsburgh, Pa., has announced the closing of its zinc mining operations at Talcville, N. Y., effective today. The mine, which produced approximately 90,000 tons of ore per year during World War II, is being closed by a corporation subsidiary, Universal Exploration Company, because of "exhaustion of ore."

Eckert to Get '50 Parlin Award

American Marketing Association will present the 1950 Parlin Memorial Award to Samuel B. Eckert, executive vice-president of Sun Oil Company, Philadelphia, at its meeting on May 16 at the Warwick hotel in that city. Mr. Eckert, who is receiving the honor in recognition of his "outstanding contribution to the field of marketing," will give an address, entitled, "Fundamentals of Sound Marketing."

Trade Briefs

International Nickel Company of Canada has elected George C. Sharp, of its general counsel, Sullivan & Cromwell, as a director.

Hagan Corporation, Pittsburgh, Pa., has appointed Gordon S. Schumacher, Los Angeles, Calif., district manager, succeeding R. L. Sullivan, who resigned.

William E. Hake, chemist and technical writer, has joined the literature department of Ketchum, MacLeod & Grove, Inc., Pittsburgh, Pa., advertising and public relations agency.

Dr. Philip L. Southwick and Robert B. Beckman have been named associate professors of organic chemistry and chemical engineering, respectively, at Carnegie Institute of Technology, Pittsburgh, Pa.

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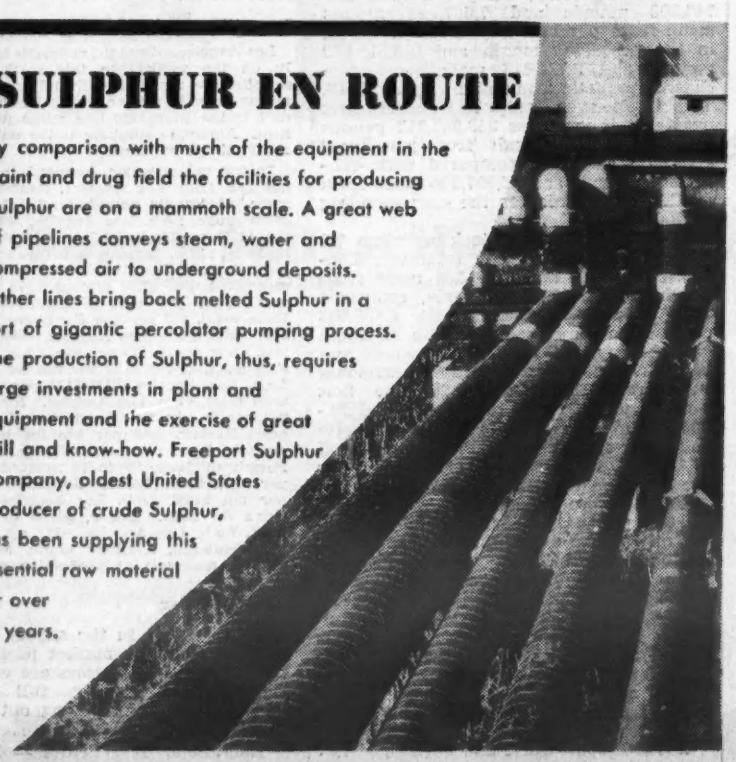

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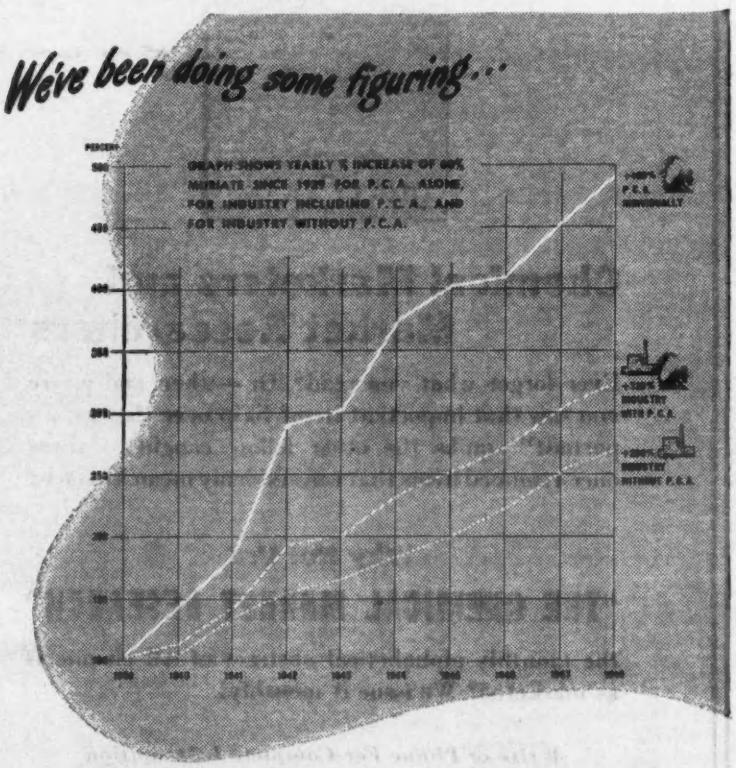
GRAPH SHOWS YEARLY % INCREASE OF 60% MURIATE SINCE 1939 FOR P.C.A. ALONE, FOR INDUSTRY INCLUDING P.C.A., AND FOR INDUSTRY WITHOUT P.C.A.
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Agricultural Chemicals

Index declined last week to 81.2 compared with 81.6 in the preceding period. The expected price decline in coke-oven ammonium sulphate was announced, the downward revision being more severe than the trade had expected. While all the producers have not revised prices it was intimated that they would recognize the minimum figure. It was too early to ascertain what effect the reduction would have on converters' sulphate, but it is known that most of the current production is under contract for export. There were no other price changes in the basic fertilizer chemicals. Another potash producer has followed in line with prices noted in our previous report. Superphosphate was relatively tight hereabouts, but the South had plenty with their season practically over. The movement of sodium nitrate is running below expectations, according to some suppliers. There were no new developments in packing-house byproducts or other nitrogenates.

The most recent Census Bureau reports show that both exports and imports of fertilizers and fertilizer materials were higher during February, 1950, than in the same month a year earlier, NFA states. Exports totaling 312,000 short tons were up 45 percent, while imports of 175,000 tons represented an 18 percent increase over the corresponding 1949 figure. The value of the February, 1950, exports amounted to $8.7 million as compared with $8.1 million a year ago. Incoming fertilizers were valued at $6.8 million, or about 4 percent more than those of the preceding February.

Nitrogenates

Ammonium Nitrate — Production of both Canadian and domestic under contract for this season. Exports for February amounted to 41,492 tons against 62,744 for the same month in 1949. Total exports for January and February were 62,382 tons this year compared with 83,257 tons for a like period in 1949.

Imports in February were 22,704 tons, against 11,287 for the same month in 1949. Total imports for January and February were 40,467 tons, compared with 17,109 tons for the corresponding months last year.

Ammonium Sulphate — Coke-oven material priced sharply lower at $32 to $37 per ton bulk in carlots, works, depending upon location. The reduction was expected by the trade. The Summer season is usually slow and producers have attempted to stimulate demand by making prices attractive. Production of coke-oven material increased 23.5 percent in March, according to the Bureau of Mines. The total was 123,174,728 pounds and 8,824,281 pounds made from purchased synthetic ammonia, compared with 99,742,208 pounds and 7,087,992 pounds made from purchased synthetic ammonia in the preceding month and 148,512,379 pounds and 9,724,416 made from purchased synthetic ammonia in March, 1949. Total coke-oven output for the first quarter this year was 359,093,217 pounds and 22,396,136 pounds from purchased synthetic ammonia, compared with 431,784,497 pounds and 26,997,536 made from synthetic ammonia for the corresponding period in 1949.

Sales of coke-oven stock were up 7.8 percent in March. The total was 124,258,806 pounds and 8,914,281 made from purchased synthetic ammonia, compared with 115,266,645 pounds with 6,639,663 made from purchased synthetic ammonia in February and 160,750,252 pounds and 10,103,196 made from synthetic ammonia in March, 1949. Sales for the first quarter were 327,924,163 pounds and 22,062,808 made from purchased synthetic ammonia, against 451,468,361 pounds and 27,122,366 from synthetic ammonia for the first quarter last year. Stocks on March 31 were down 1.2 percent to 169,062,694 pounds, compared with 171,194,572 on February 28 and 28,666,319 pounds on March 31, 1949.

Bone Meal—Held about steady with trading quiet. Raw was priced at $62.50 and steamed at $60 supply point. Imported steamed for prompt shipment was priced at $58 c.i.f. New York.

Castor Pomace—Occasional sales reported at $30.50 works for bags in carlots. Lateness of the season has slowed down demand.

Dried Blood—Quiet and unchanged last week. Priced at $6.00 per unit of ammonia New York and $6.25 at Chicago.

Fish Meal—Menhaden priced at $145 spot Baltimore area. Additional sales of new scrap on when and if basis reported at $130 per ton.

Sodium Nitrate—Importations in February totaled 56,171 tons, compared with 88,559 tons for the same month in 1949. Imports for January and February in 1950 amounted to 111,734 tons, against 133,758 for a like period in 1949. Current demand holding fairly steady although combined shipments so far this spring have not been up to seasonal expectations. It is stated that corn and cotton planters have not taken their usual amounts to date.

Tankage—Some feeder support at current prices. The market held at $7.50 per unit of ammonia New York and $8.25 Chicago.

Phosphates

Phosphate Rock—Market for domestic shipment has assumed a more quiet condition with the contract movement holding seasonal dimensions and stocks adequate to meet requirements. Export sales have also followed quiet lines but are expected to pick up in the Fall.

Japan's imports of phosphate rock in 1949 totaled 349,180 metric tons, according to statistics of the Ministry of Finance. They fluctuated considerably, from a low of 9,241 tons in June to a high of 60,602 tons in September.

Superphosphate—Stocks relatively tight around the local area but rather free in the South where most of the season's requirements have been leveled off. Market firm with prices unchanged.

Potashes

Two more producers have announced contract prices for 1950-1951. At Carlsbad, New Mexico, muriate, bulk in carlots is priced at 40c. per unit of K_2O and manure salts at 21c. per unit of K_2O. At Trona, California, muriate is priced at 48½c. per unit of K_2O in bulk, carlots. All prices are f.o.b. works. There has been an increase in discount rates which, if taken advantage of, will bring prices close to those prevailing in 1949-1950. The railroad strike on the A T and S has tended to aggravate the current movement from works.

Los Angeles Fertilizer Market

Los Angeles.—Organic materials appear slightly on the weak side this week. Adequate supplies are reported with only moderate sales taking place to reduce them. Trading has been dull in the inorganic line while prices remain firm. Ammonia sulphate is the only item currently listed as short.

Ruling prices were: Ammonia nitrate, $69.9[illegible] per ton, f.o.b. Los Angeles. Canadian material same. Ammonia phosphate, $65.15 per ton for 16/20 grade, f.o.b. Los Angeles. $89.65 per ton for 11/48 grade, f.o.b. Los Angeles. Canadian material same. Ammonia sulphate, $49 per ton bagged, f.o.b. Los Angeles. Canadian material same in bags. $2.50 discount for bulk. Blood meal, $5.75 per unit of ammonia at source. Bone meal, $72 per ton for imported, steamed 1/30 meal, f.o.b. Los Angeles. Domestic material, same grade, $75 per ton, f.o.b. Los Angeles. Fish meal, $143-$146.25 per ton for 65% sardine f.o.b. Los Angeles. $129-$132 per ton for 60% tuna meal, f.o.b. Los Angeles. Nitrate of soda $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton for bulk. Potash muriate, 45½c. per unit, bulk, f.o.b. Trona basis. Potash sulphate, 95 to 58 percent K_2SO_4, 79c per unit, f.o.b. Trona. Superphosphate, $21.2[illegible] per ton bulk, f.o.b. Los Angeles area. $2.5[illegible] extra for bags. Triple, $68.50 to $72 per ton bulk, f.o.b. Los Angeles, 47% a.p.a. Tankage wet rendered, fertilizer grade, $4.00-$5.25 per unit of ammonia at production plant.

Pesticides

No easement in the supply of BHC o[illegible] DDT, in fact the market position is getting tighter. Processors are experiencing difficulty in getting full shipments. Chlordane is also moving out as rapidly as made.

Household Insecticides — Exports [illegible] January were down to 854,000 pounds less than half the 1,741,000 shipped out in the preceding month. The larger

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

Prices Reduced
Ammonium sulphate, coke-oven, $13.00 per ton.

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
81.2	81.6	81.6	81.6	81.6

(*For Current Prices see Page 9*)

shipments in January were destined to Indonesia; 305,000 pounds. Venezuela received 107,000 and Colombia 93,000 pounds.

Nicotine Sulphate — January exports amounted to 123,000 pounds, a loss of 23 percent, compared with the preceding month. Japan was the principal country of destination with 110,000 pounds.

Paradichlorobenzene — Supply position continued tight with the market making slow recovery from the cutback occasioned by the shortage of benzol and the difficulty in securing chlorine. Export figures for January show 150,000 pounds with Canada receiving 141,000 of this amount. December exports totaled 202,000 pounds.

Pyrethrum—Prospects for the pyrethrum crop in Kenya and Tanganyika have been reported good. Acreages are larger—in Kenya, 15,370 acres were planted, an increase of 60 percent over the area in 1948. Demand exceeded supply and prospects of a price rise encouraged growers. Exports of pyrethrum from Kenya and Tanganyika in the first 9 months of 1949 totaled 58,095 hundredweight (1 hundredweight equals 112 pounds.) None was exported from Uganda in the period. Experiments in the cultivation of high-toxic flowers have continued and results are said to be encouraging. It has been reported that the Government of Tanganyika is considering making grants of land near Meru for growing pyrethrum; the area is considered likely to produce high yields.

Rotenone — January importations amounted to 544,000 pounds practically all from Peru. In the preceding month 546,000 pounds were imported.

Sulphur

Demand strong both for industry and agriculture. It was stated regarding the latter that shipments to processors for dusting purposes have been unusually heavy this season.

Maas & Waldstein Offers Coating

Maas & Waldstein Company, Newark, N. J., has developed a new non-skid floor coating for application on floors of walk-in deep freeze units, walk-in refrigerators and for use on floors of slaughter houses, hotel kitchens, pullman-car kitchens, hospital operating and delivery rooms. The new coating is known as "Durvin Gray A. D. Non-Skid Coating SV-363."

Pittsburgh Plate Glass To Enlarge Ohio Plant

Pittsburgh Plate Glass Company, Pittsburgh, Pa., has announced a $2,000,000 expansion program on buildings and equipment at its window glass producing facilities at Mt. Vernon, Ohio. Currently a two-tank operation, the Ohio plant is scheduled for a 50 percent boost in production, construction getting underway about August 1. A third tank, due to get into operation in the Summer of 1951, as well as four glass-drawing machines and other sheet glass producing equipment will be installed.

USI Offers Pesticide Data

U. S. Industrial Chemicals, Inc., New York, has announced the availability of a new, eight-page brochure entitled "Controlling Insects on the Dairy Farm." The booklet describes the various applications of the "Pyrenone" insecticides in protecting dairy cattle against flies, mosquitoes, lice and other insects.

H.J. Baker Celebrating

—Continued from page 5

as junior partner Frank Morse Smith, the father of H. V. B. Smith. H. V. B. Smith became a member of the firm in 1926 and H. S. McCormick joined him in the partnership in 1932.

Baker Castor Oil Forerunner

In 1857 Baker built an oil works in Jersey City for the manufacture of castor oil and this plant was the forerunner of the present-day Baker Castor Oil Company. In 1864 Baker purchased the Gowanus Chemical Works in Brooklyn where it produced saltpeter and other chemicals. It also manufactured complete mixed fertilizers in Brooklyn under the name of East India Chemical Works.

Frank Morse Smith was in the partnership from 1901 until his death in 1929 and, during that period, together with his partner, William H. Gelshenan, who was in the firm from 1908 to 1924, the business became more ond more involved with the fertilizer industry. Today, in addition to fertilizer materials, the firm handles in a very substantial way feeding materials, packing house by-products, fishery by-products and several chemical and pharmaceutical specialties.

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Textile and Leather Chemicals

An easier tone developed in tapioca flour, technical egg albumen and Chinese egg yolk, last week, resulting in lower prices and the index declined 3.2.

Weakness in the Brazilian tapioca flour market, due in part to barter transactions, was reflected locally and quotations dropped ½ to 1 cent per pound, with the lower cost of replacements. Buying interest was slow both for spot and forward delivery. Technical egg albumen was reduced about 4 cents per pound in order to stimulate business and sales of moderate volume took place at the decline. Chinese egg yolk reflected the lower cost of replacements. Supplies for spot and prompt delivery were cut 5 cents per pound. Other sizing materials were unchanged and fairly steady. Potato starch was well held at production points in Maine and Idaho at former quotations. Producers' inventories were not heavy and mills were expected to shut down by the end of the month. Corn dextrin and starch was steady and unchanged, reflecting the firmness of the grain. Consuming demand was chiefly for moderate lots and fairly active. Sago flour was firm on spot due to the high cost of shipments from primary centers.

There was a noticeable lack of improvement in the slow inquiry for replacements of tanning materials. Outside of a fair interest in wattle bark and divi divi for shipment which were in light supply at primary centers, this market continued dull and featureless. Offers for shipments were quotably unchanged.

Domestic wool production is failing to keep pace with increasing demand and the United States must look abroad for a larger portion of its essential wool supplies during the next few years, according to the Department of Agriculture. It is likely the department reported that domestic woolen mills will have to import between 400,000,000 and 500,000,000 pounds of apparel wool this year. The domestic production is expected to supply about 300,000,000 pounds. Less than 40 percent of the country's requirements are being supplied by domestic production compared with 88 percent before the war.

Chemicals

Acetic Anhydride—Moderate volume of business was reported for prompt needs. Consumers continued to maintain light inventories.

Bichromates—Consuming demand was chiefly confined to less carlot quantities for immediate delivery, though monthly sales aggregated a fairly good volume. Prices were maintained at former levels. Total exports during 1949 amounted to 11,423,439 pounds, valued at $1,381,427. The bulk of shipments was made to the following countries:—Canada, 2,507,645 pounds; Brazil, 2,317,821 pounds, and Mexico, 1,432,572 pounds.

Sodium Acetate—Demand was moderate, mainly for actual requirements. Consumption kept pace with the output. Market was unchanged and steady.

Sodium Hydrosulphite—Business was reported light and spotty, chiefly for immediate needs. Quotations were without change. Supplies were adequate to cover demand.

Sulphonated Oils—Buying interest was restricted to small quantities for immediate needs. Quotations were without change and steady.

Sizing Materials

Albumin Blood—Moderate volume of sales was noted, mainly for prompt delivery. Albumin and soluble blood were maintained at former quotations.

Corn Dextrin—Trading was reported fair. Consumers purchased moderate-sized lots for prompt delivery. Quotations were well held at current levels and guaranteed against advance to May 15.

Corn Starch—Fair volume of business was passing for actual needs. Market remained steady, with the firmness of the grain. Prices were guaranteed against advance to May 15. Visible corn supply increased 525,000 bushels during the week ended May 6, totaling 42,116,000 bushels, against 13,132,000 bushels for the same time last year, it was reported by the Chicago Board of Trade.

Egg Albumen—Lower prices for technical brought out improved demand last week. Sales of fair-sized lots were reported sold at 70c. to 75c. per pound, depending upon quality and quantity. There was no improvement in the light call for edible flake. Prices were unchanged, ranging from $1.14 to $1.16 per pound, and powder at $1.19 to $1.21, as to quantity.

Egg Yolk—While domestic yolk was in light demand at unchanged prices, Chinese was easier and some sellers reduced prices to 85c. to 87c. per pound, duty paid, for prompt delivery, according to quantity. Domestic was quoted at $1.08 to $1.10 per pound, spot, same basis.

Potato Starch—While demand in the East was reported light and spotty, trading was fairly active in the West and sizable quantities of Idaho starch were absorbed by consumers. Prices were unchanged and steady at 5c. per pound, carlots, f.o.b. mills, Idaho and Maine. Production was reported on a part-time basis in both sectors and is expected to cease by the end of the month. Less carlots were quotably unchanged, at 7c. to 7½c. per pound, ex warehouse, as to quantity. Production and Marketing Administration of the Department of Agriculture announced May 5 that California potato growers (outside Modoc and Siskiyou counties) have rejected a proposed marketing order in a referendum which was conducted on April 28. Therefore, the department's proposed marketing agreement and order program will not go into effect and there will be no price support for California potatoes (other than Modoc and Siskiyou counties).

Rice Starch—Light stocks on the spot were unchanged at 12½c. per pound.

Sago Flour—High cost of replacements and limited offers for shipment kept the local market strong. Prices ranged from 5½c. to 5¾c. per pound on spot, as to quantity.

Tapioca Flour—Weakness at primary markets has been reflected locally and the market was off ½c. to 1c. per pound for spot delivery. Liberal offers of new crop for shipment from Brazil were available at lower prices. Business was slow and confined to small lots for actual requirements. Brazilian high grade was quoted at 7c. to 7¼c. per pound, ex warehouse, as to quantity; medium, 6½c. to 6¾c., and low, 5½c. to 5¾c.

Tanning Materials

Chestnut Extract—Business lacked snap and was restricted to actual requirements. Quotations were maintained at current levels.

Cutch—Steady consuming inquiry was reported for prompt requirements. Shipments were unchanged and well held at 7c. per pound, ex dock, duty extra.

Mangrove Bark—There was little of new interest in replacements of bark. Offers from South American bark were liberal at unchanged quotations. African was still unobtainable for shipment.

Myrobalans—Quietness prevailed in this market last week. Business of late was confined to prompt shipment. Offers from primary markets were liberal at current quotations.

Quebracho Extract—This market remained steady, despite the limited consuming inquiry for replacements. Prices for shipment were unchanged. Arrivals were reported at 9,570 bags at New York from the Argentine last week, against former orders.

Valonia—Quiet demand was reported for cups. Offers for shipment were unchanged and fairly steady. Powdered extract was quoted at 7½c. per pound, ex dock, for shipment from Greece.

Wattle—Consuming inquiry was mainly for replacements of bark for prompt shipment. Offerings were light and maintained at current quotations. Extract was inactive, but steady at current levels. Supplies at primary centers were adequate. Imports of bark totaled 10,490 bales at New York last week for delivery against former orders.

Market Trends

Prices Advanced

None

Prices Reduced

Egg albumen, tech., 4c. per lb.
yolk, Chinese, 5c. per lb.
Tapioca flour, ½c. to 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
228.6	231.8	237.2	286.0	329.4

(*For Current Prices see Page 9*)

For Late Market Developments, See Page 4

Petroleum Derivatives

Aromatics and higher boilers were up in last week's market. The rise in petroleum toluol and xylol amounted to one cent per gallon and was posted at Baytown, Tex., and Chicago by one maker, with another making the boost effective today at Chicago and Wood River, Ill. The increase in 100-flash and 150-flash materials was similarly one cent.

The week's price action in pure aromatics and higher boilers was said to stem from recent boosts in gasoline. Aliphatic-aromatic blends were left untouched for the time being, but similar moves soon were regarded as within the realm of possibility. Stocks of toluol and xylol were still short, with the former aromatic in a slightly better position than the latter, in the face of continued excellent demand. Higher boilers were scarce. Blends were ample.

Aliphatics were stable along the East Coast following recent rises of one-half cent per gallon. Supplies were ample all around, notwithstanding reports of mild narrowing in some quarters due to the gasoline situation. Demand was described as fair. Hexane, heptane and octane were up ½c. at Baytown.

Solvents and Diluents

Aromatic Solvents — Pressure of the rising gasoline market, already felt in aliphatics, last week produced an increase of 1c. per gallon in petroleum toluol and xylol at Baytown, Tex. and Chicago by one maker. Similar boosts were to go into effect today at Chicago and Wood River, Ill.

Upshot of the week's price activity was new listings at the points named, quotations at other points holding fast. The Chicago tankcar quotations thus ranged from 27c. to 28c. per gallon for both toluol and xylol, while listings at Baytown are 26c. for both aromatics. However, at Wood River, toluol in tanks is priced at 25c. per gallon, xylol at the same point commanding 2c. more.

Supplies continued as short as ever, with toluol in a slightly better position than xylol. Demand remained high, and the recent settlement of the strike at plants of one automobile maker was expected to further intensify the current pitch of buying interest.

Along with boosts in pure aromatics, prices on 100-flash and 150-flash higher boilers each were raised 1c. per gallon. Listings on both materials thus moved up to 26c. per gallon in tanks, f.o.b. Baytown, Tex. Available supplies were reported desperately short of demand.

As for aliphatic-aromatic blends, there was no price action taken during the period. However, in view of the upward movement in pure aromatics, the trade was of the opinion that similar boosts in blends were not outside of the realm of possibility. Demand was good. Stocks were adequate.

Cleaners' Naphtha—Demand remained at a fair pace during the period. Stocks, although reported to be tightening some in certain quarters due to the gasoline situation, were ample to meet all requirements. Prices held firmly along the East Coast at 14½c., tanks, following recent rises.

Lacquer Diluent—Consuming inquiry, particularly from the paint trade, was described as fair during the week. Supplies, though narrowing slightly in some sections because of gasoline, were adequate. East Coast listings stood fast at recently-established higher levels, continuing at 16½c. per gallon, tankcars.

Mineral Spirits — The price structure along the Eastern Seaboard held its ground during the past seven days, holding at 14½c. per gallon, tanks. Producers had sufficient material to cope with current trade needs, which was said to be fair, although rising gasoline demand was said to have produced a pinch on this aliphatic in some sections.

Rubber Solvents—There was no difficulty about supply during the week, despite some narrowing of stocks. Demand was moderate. Prices held fast along the East Coast at 15½c. per gallon, tankcars.

Stoddard Solvent—The supply position remained ample all around, notwithstanding some narrowing due to the gasoline situation. Buying interest, although by no means strong, was said to be moderately good. Listings were unchanged, continuing at 14½c. per gallon, tanks, East Coast.

V. M. & P. Naphtha—With the exception of Philadelphia, where tankcars brought 15c. per gallon, East Coast listings were uniform at 15½c. following recent boosts. Call was described as satisfactory, and availability remained excellent in the face of a slight pinch on stocks occasioned by the gasoline picture.

Market Trends

Prices Advanced

Solvent naphtha, 100-flash, 1c. per gal.
150-flash, 1c. per gal.
Toluol, petroleum, Baytown, Tex., 1c. per gal.
Xylol, petroleum, Baytown, Tex., 1c. per gal.

Prices Reduced

None

(For Current Prices see Page 9)

Lighter Fractions

Heptane—A ½c. increase at Baytown, Texas, was noted last week but otherwise the market was without feature. Stocks were plentiful. Demand was fair.

Hexane — Supplies were in excellent shape and call was moderate. There was a ½c. increase announced for Baytown, Texas, during the period but otherwise prices were quiet.

LPG's—Both butane and propane were in ample supply during the period. Tankcar prices, f.o.b. group 3, were 3c. and 2¼c. per gallon, respectively. No action was contemplated on prevailing schedules last week, and nothing was looked for within the immediate future. Aside from the mild influx of demand occasioned by the opening of rural homes for the Summer, consumer inquiry was said to be at modest levels.

Waxes

Stocks of microcrystalline wax remained far from good last week. Demand continued at its previously intense pace. Sellers were hard put to meet all consumer needs. Prices stood firm.

Both crude and fully-refined paraffin, while not plentiful, were said to be in sufficient supply to cover all current consumer requirements. Call remained heavy. Prices held their ground.

Miscellaneous

Crude Oil—Postings in the Pennsylvania lower field stabilized at higher levels in the wake of recent boosts of 11c. per barrel. Prices at other crude oil centers remained unchanged, and there was no indication of any change in the current status quo within the immediate future.

Petrolatum — Prices were without variance during the period. Despite the continued excellence of demand, stocks remained at ample levels.

White Mineral Oils—Call was good last week, and was expected to remain that way. Prices held firm, and no changes were known to be in the offing. Stocks were ample to cover all trade needs without difficulty.

Los Angeles Petroleum Market

No change is evident in local market conditions. A very slight increase in demand stems from springtime painting at the consumer level. Price listings are unchanged as follows:—Cleaning solvent from 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area; lacquer diluent from 16½c. to 20½c. per gallon, same basis, and stoddard solvent from 15.7c. to 19.5c. per gallon, same basis.

The current off season period finds supplies exceedingly heavy with current posted prices being undersold constantly as much as 3c. Posted prices list propane and butane at 5.3c. per gallon, tankcars, f.o.b. Los Angeles basin area.

Supplies of all waxes are heavy for the industry although this fact has not reflected on prices. Current listings for all qualities of wax appear satisfactory to industrial users as reflected by normal trading. 140/147 ASTM, carload loose slabs, f.o.b. shippers refinery, San Francisco, quoted at 6.95c. per pound. 146/148 ASTM, same basis, quoted at 7.15c. per pound and 157/162 ASTM, same basis, at 7.6c per pound. Tankcar prices posted at 6.05c., 6.25c. and 6.9c. per pound, respectively.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended April 29 totaled 244,744,000 barrels according to the Bureau of Mines. Compared with the total of 244,111,000 barrels for the preceding week, this represents an increase of 637,000 barrels, comprising an increase of 608,000 barrels in stocks of domestic crude and an increase of 25,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

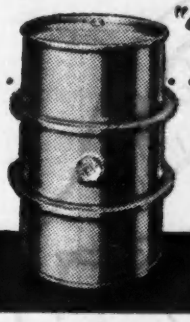
Braun Completes Research Bldg.; Operations to Be Headed by Sjogren

C. F. Braun & Co., Alhambra, Calif., has completed construction of a new $1,000,000 research building to carry on research in heat transfer, fractionation, combustion and other industrial problems. Operations at the new building will be under the supervision of Dr. C. Norman Sjogren, while Dr. William F. Nash will direct metallurgical research.

The company designs and builds complete oil refineries and chemical plants, manufactures specialized apparatus for the oil and chemical industries and operates an engineering consultant service.

API Safety Group to Meet

The midyear meeting of the fire protection and accident prevention committees of the American Petroleum Institute will be held in Atlantic City, N. J., May 14 to 17. Sessions will be in the Chalfonte-Haddon hotel. Among proposals to be considered by the two committees is one recommending establishment of a first aid and safety training course for the oil industry under sponsorship of API.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Coaltar Chemicals

A strike in several railway transportation systems west of Harrisburg and Buffalo seriously hampered shipments in the coaltar chemical industry, much of which is centered in the area affected. Materials such as phenol, styrene, and monochlorobenzene, which were in a delicately balanced supply, were seriously hampered in their output because producers were able in recent months to only meet the immediate needs of consumers. Consequently any interference with delivery of either the benzol for manufacture of these large volume chemicals or their movement to consumers, immediately affected production and use because of the lack of stocks prevailing in raw materials and product.

Imported cresylic acid was higher in price last week by some 5 cents per gallon, being quoted over a range depending on quantity and seller. Prices on domestically produced basic products and intermediates were unchanged. There was a distinct weakening of the refined pyridin demand because of curtailed antihistaminic drug output for the Summer months. This left imported pyridin in lesser demand and threatening price declines which had not as yet affected domestic price schedules.

Naphthalene and phthalic anhydride were still in a long position with regard to supplies, and held firm in price after the recent reductions. Aromatic coaltar solvents were still short of being enough to meet the needs of consumers, but their price schedules were firm, whereas petroleum source toluol and xylol advanced 1 cent per gallon at certain shipping points as a reflection of higher gasoline prices.

Reports of the American Iron and Steel Institute indicated that for the fourth consecutive week steel production was in excess of the theoretical capacity. Production for the week ended May 13 was scheduled at 100.1 percent of capacity, equivalent to 1,908,200 tons of ingots and castings. Last week the rate was at 1,910,100 tons, and one year ago 1,773,500 tons.

Basic Products

Benzol—Supplies continued short with all available production moving promptly into consuming channels under a firm price structure. The rumors of a price advance failed to develop into actuality, but had an adverse demand effect upon the all ready high pressured market. In the import market the effect of the rumor was manifested in foreign exporters advancing their quotations to American buyers, demanding prices as high as 40 cents per gallon, and not being willing to guarantee more than limited quantities for immediate shipment, lest the price go still higher.

Some upward adjustment might eventually develop around the approaching quarter, but domestically there was no positive evidence of any such action. It was only a possibility. Among the justifiable reasons for a benzol price rise was the increased cost of production on aromatic solvents because of accumulated higher costs on coal, freight rates, and labor. These, together with the fact that the coaltar chemical industry will be getting less return on its products in view of the sharp price reduction of $13 per ton on ammonium sulphate, and the further fact that in certain large volume shipping point areas certain other aromatic solvents from petroleum sources with which coaltar aromatics are competitive but lower priced, were advanced 1 cent per gallon.

The Bureau of Mines reported coke oven benzol production of all grades as totaling 11,637,197 gallons in March of this year, compared with 10,121,751 gallons in February, and 14,860,961 gallons in March of last year. Of the March production 7,911,617 gallons was of the 2 degree industrial pure grade, 2,895,390 gallons of the 1 degree nitration grade, and 604,413 gallons of motor grade.

Coaltar — The Bureau of Mines reported coke oven production of crude tar in March as 54,304,146 gallons, an increase of 27.2 percent over the February output of 42,695,390 gallons, compared with the 65,703,670 gallons produced in March of last year.

Creosote—A good demand for oil from the wood preservation industry was maintained, and there was every indication that it would continue. Supplies were said to be ample, but the stocks were not regarded as excessive. Prices were firm and no changes were expected to develop in the immediate future.

Production of creosote by coke oven operators was reported by the Bureau of Mines for March as amounting to 2,429,156 gallons, up 11.4 percent over the February output of 2,179,935 gallons, compared with a production in March of last year amounting to 2,317,385 gallons.

Cresol—There still existed a scarcity in the market. Demand was strong and sufficiently so that material moved promptly from production into consuming channels without giving the industry an opportunity to accumulate any significant stocks. Prices were firm and unchanged even in the face of high costs.

Cresylic Acid — Imported acid was stronger pricewise, having advanced roughly 5c. per gallon. Prices varied in the import market on No. 1 acid, and the market level appeared to be in the range of 52½c. to 57½c. per gallon, c.i.f. New York. Petroleum source acid was firm at the reduced price levels established in mid-April.

Domestic acid was firm in price and expected to remain so at least until the end of the quarter. Supplies were regarded as short, and much of the imported acid appeared to have disappeared from the market because exporters were not willing to sell at the price level which American buyers were inclined to pay. This tended to put somewhat more pressure on the domestic item.

Naphthalene—Supplies continued long on both domestic and imported material. The lower domestic prices established some weeks ago held firm and were felt to be likely to remain unchanged for a considerable period. Imported crude was still priced at 3¼c. per pound, but it was reported that 3c. could be done on a contract for the last half of the year. However, buyers were shy of such long commitments, feeling that the import market might well go to 2¾c. before the end of the year. Accordingly, trading on other than established contracts were limited to short periods.

Naphthalene production by coke oven operators was reported by the Bureau of Mines as amounting to 1,527,652 pounds of crude melting at less than 70 degrees Centigrade up 42.6 percent above the February output of 1,070,960 pounds; 2,598,353 pounds of crude melting at 70 to 77 degrees Centigrade in March against 2,852,082 pounds in February; and 2,604,712 pounds of material melting at 77 to 79 degrees Centigrade in March, compared with February's output of 2,972,572 pounds. These figures were significantly below those for March of a year ago.

Phenol—This market was reported firm pricewise, short in supply, and moving in large volume under a strong and well sustained demand. The benzol shortage was still such as to hamper phenol production, and as a result consumers were getting enough material on shipments to take care of their immediate needs, but not enough to allow them to build up a comfortable inventory. In markets such as this, where a delicate balance between supply and demand leans heavily in the

Market Trends

Prices Advanced

Acid, cresylic, imported, 5c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
104.3	104.3	105.0	110.1	117.3

(*For Current Prices see Page 9*)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended April 29 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,056,516
Ammonia sulphate	lbs.	27,353,300
Benzol	gals.	3,447,590
Coaltar	gals.	12,789,449
Creosote oil	gals.	711,760
Naphthalene, crude	lbs.	1,690,428
Phenol	lbs.	200,192
Toluol	gals.	689,518
Xylol	gals.	155,697

For Late Market Developments, See Page 4

Here's complete information on KOPPERS Synthetic CHEMICALS

FOR COMMERCIAL PRODUCTION

Bulletin C-9-103 lists the properties, reactions and uses of 26 synthetic organic chemicals produced in commercial quantities by Koppers Chemical Division. Most of these chemicals have established commercial applications, but are of interest as well to research and development chemists. This bulletin describes the following products:

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Dihydroxydiphenyl Sulfone
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Divinylbenzene
Ethylbenzene
Hydrocyanic Acid
Hydrogen Cyanide, Industrial Grade
Isopropyl Phenols
beta-Methyl Umbelliferone
Mono-tert-butyl-meta-cresol
Nonyl Phenol
Penacolite ® Adhesives
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Phthalic Anhydride
Propiophenone
beta-Resorcylic Acid
Resorcinol
Sodium Sulfite
Styrene Monomer
Sulfuric Acid
Polystyrene

FOR RESEARCH AND DEVELOPMENT WORK

Bulletin C-9-139 describes the properties of a group of synthetic chemicals available in limited quantities from Koppers pilot plant operations. Each of these chemicals offers possibilities for further research and development work in your own laboratories. The following products, available in small lots of one pound or more at a nominal charge, are described in the bulletin.

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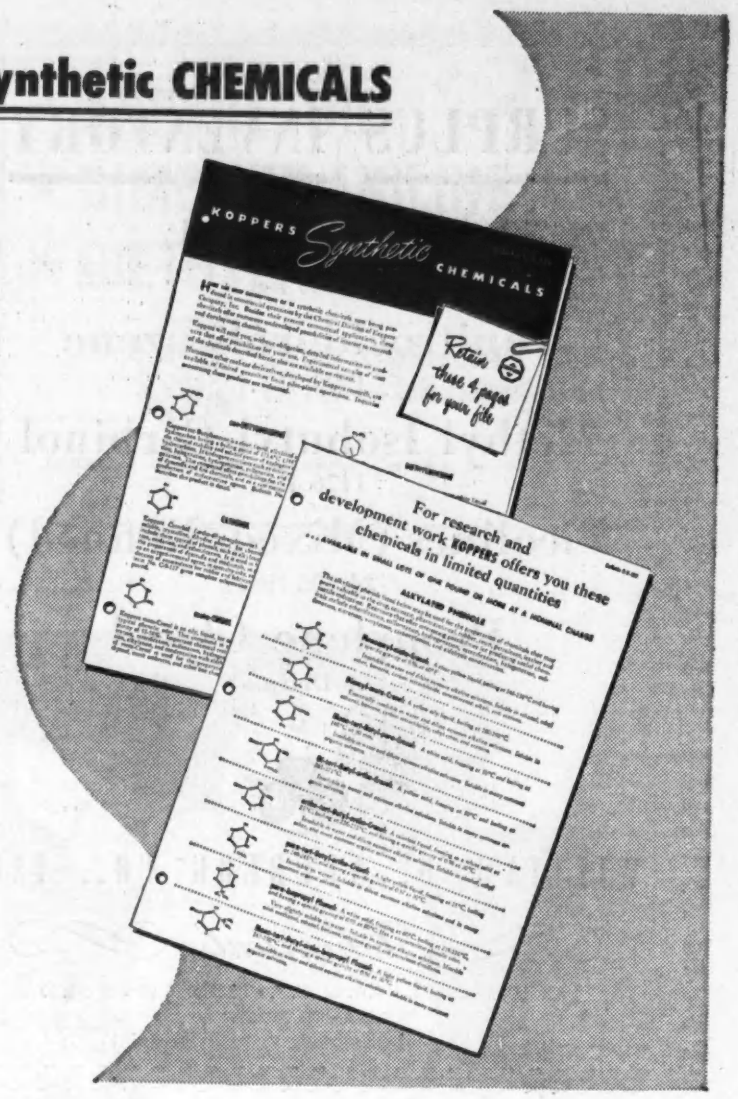
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direction of shortage, the stoppage of railway freight shipments threatened a serious handicap.

Pyridin—The falling off of antihistaminic drug demand for the Summer months tended to ease the pressure of demand on refined 2 degree pyridin. The result was a curtailment of orders for the domestically produced material, leaving the imported material somewhat of a surplus on the market. The latter fact tended toward a price weakening in the import market, but as yet the net effect of imported pyridin did not exert sufficient impact upon the domestic production to cause a price decline. Observers, however, did not miss the implication that such an effect might eventually develop.

Output of crude pyridin on a dry basis by coke oven operators was reported as 26,652 gallons in March, compared with 21,467 gallons in February. Production of refined pyridin in March was 90,604 pounds, compared with 106,673 pounds in February.

Solvent Naphtha—Material was still being shipped behind schedule in a tight market which was characterized by strong demand and firm prices.

Crude solvent naphtha output in March by coke oven operators was reported by the Bureau of Mines as 369,738 gallons, compared with the February output of 343,541 gallons. Meanwhile production of light refined solvent by coke oven operators in March amounted to only 17,290 gallons, off 40.1 percent from the February level of 28,852 gallons.

Toluol—Supplies were described as in reasonable balance with demand, but still on the short side. Prices on coaltar material were unchanged, but an advance of 1c. per gallon was reported on petroleum source material at certain shipping points in the Gulf and Midwestern areas, reportedly advanced because of the cost relationship to higher priced gasoline.

Toluol production by coke oven operators was reported by the Bureau of Mines as totaling 2,067,602 gallons, compared with 1,911,937 gallons in February. Of the total March production, 1,539,132 gallons was of the 1 degree nitration grade, 471,954 gallons was of the 2 degree industrial pure grade, and 56,516 gallons was in various other grades.

Xylol—Coaltar source material was still in its almost chronic state of shortage, under price schedules that were unchanged. Petroleum source material was advanced 1c. per gallon at certain shipping points, notably in the Gulf and Midwest areas, because of higher costs in relation to the higher gasoline price schedules.

Output of xylol by coke oven operators during March was reported by the Bureau of Mines as amounting to 545,897 gallons, up 7.9 percent over the February production figure of 505,752 gallons, compared with an output of 690,934 gallons in March of last year.

Intermediates

Anilin—Production of this widely used intermediate was reportedly holding up well despite the benzol shortage, with the result that while supplies were somewhat less than in balance with demand, the shortage was not regarded as serious. Prices were firm and unchanged.

Benzal Chloride—Prices were firm in the range of 19c. to 25c. per pound on an f.o.b. works basis in carboys, depending upon quantity. Supplies were regarded as adequate to take care of current demand.

Benzotrichloride—On a freight equalized basis, prices in carboys were listed at 18c. to 20c. per pound, varying as to quantity on shipment. Demand was moderate against what were regarded as adequate supplies.

Dichloroanilin—The steady but limited demand for this item was being promptly met from adequate stocks of the 2,5-dichloroanilin material. Prices were firm at 75c. per pound in drums on a freight equalized basis.

Monochlorobenzene—Heavy demand against limited supplies of this large volume item kept the market in a short position. Prices were unchanged from levels which have prevailed over recent months in which a ½c. per pound price spread continued to exist with tankcars quoted at 6c. to 6½c. per pound on a freight allowed basis. Drum carlot and less carlot quantities were priced at the usual differentials over the tankcar levels.

The supply situation on monochlorobenzene did not look too encouraging at the week's end, because demand was maintained at a high level with no indication of slowing, while chlorine became increasingly short, and benzene was still tight.

Monochlorotoluene—In drum carlot quantities this item was priced at 10.15c. per pound on an f.o.b. works basis. Less

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than carlot quantities were listed at 12c. per pound on the same basis.

Orthodichlorobenzene—On a freight allowed basis East of the Rocky Mountains, prices quoted in the market were listed at 7c. to 7¼c. per pound, drum carlots ranged from 8½c. to 8¾c. per pound, and less than carlot quantities were priced at 9½c. to 9¾c. per pound. Demand was reported as strong against a limited supply which tended to cause shipments to run behind schedule in most quarters.

Back of the slight shortage of ortho was the tremendously heavy demand for paradichlorobenzene which moved in a tight market due to strong demand and a scarcity of chlorine and benzene. What chlorine and benzene were available was mostly being used in the direction of para because of the pressure of demand. With production schedules and plant equipment tied up in para production, there was consequently less ortho being produced.

Phthalic Anhydride—Prices were firm at 17½c. per pound in carlots and 18½c. in less than carlot quantities. Demand was still running below expectations, leaving supplies in the same long position they have been over recent months.

Piperidine—Firm prices prevailed in which the 95 percent material was quoted at $1.65 per pound in drums on an f.o.b. works basis. Demand was moderate and holding up well in relation to former levels, and shipments were reported as prompt.

Trichlorobenzene—On a freight allowed basis East of the Rocky Mountains tankcars were quoted at 8½c. per pound, while drum carlots were listed at 10c. and less than drum carlot quantities at 11c. Prices west of the Rockies were 1c. per pound higher. Supplies were adversely affected by the benzol and chlorine shortage. Benzol supplies were inclined to ease gradually, while chlorine was said to be getting progressively tighter.

Behr-Manning Buys Teterboro Site

Behr-Manning Corporation, Troy, N. Y., has purchased a site of three acres in the Bergen County Industrial Terminal at Teterboro, N. J. Behr-Manning is a manufacturer of abrasive paper and cloth.

N. Y. Textile Chemists Elect Luck President

Paul J. Luck of the Calco Chemical Division of American Cyanamid Company was elected chairman of the New York section of the American Association of Textile Chemists and Colorists at a meeting held May 5 at Kohler's Swiss Chalet, Rochelle Park, N. J.

Other officers elected were vice-chairman, Weldon G. Helmus of Fair Lawn Finishing Company, Fair Lawn, N. J.; secretary, Norman A. Johnson, Howes Publishing Company, New York, and treasurer, James J. Marshall, manager of domestic sales for American Aniline Products, Inc., New York.

Elected to the sectional committee were Charles W. Dorn, retiring chairman of the section, J. C. Penney Company, New York; Dr. Herman E. Hager of the General Dyestuff Corporation, New York; George Baxter of Bradford Dyeing Association, Providence, R. I., and Patrick J. Kennedy of E. I. du Pont de Nemours & Co., Wilmington, Del., associated with the firm's New York office.

Textile Inst. Apoints Coburn

Institute of Textile Technology, Charlottesville, Va., has appointed Philip F. Coburn assistant to the president and head of textile engineering. Mr. Coburn was previously vice-president and general manager of Monument Mills, Inc., Housatonic, Mass. His other textile affiliations included Nashua Manufacturing Company, Barnes Textile Associates and Warwick Mills.

Trade Briefs

Clyde D. Marlatt, president of the Martin Dennis Company, canning chemicals, has been elected a vice-president of the Newark (N. J.) Chamber of Commerce.

Arthur Schroeder, production manager of the color division of Hilton-Davis Chemical Company, Cincinnati, Ohio, has been appointed by Governor Frank Lauche to serve in the civilian defense program in Ohio's area no. 1.

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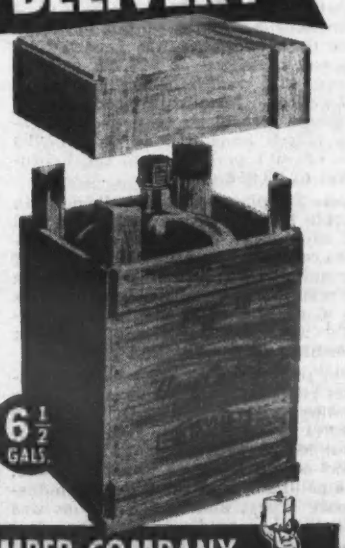

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Uses and Applications of Chemicals

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Acetamidin Hydrochloride
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Chemical—Suggested as intermediate in making pyrimidins.

Pharmaceutical—Suggested as intermediate in making vitamin B_1.

1-Chlor-3-isopropoxy-2-propanol

Chemical—Intermediate capable of ammonolysis, esterification, etherification, and hydrolysis, claimed useful in making glycerol derivatives.

Starting point in making glycidylisopropyl ether with the aid of alkali.

2-Hexahydrobenzyloxyethyl Benzoate

Adhesives—Plasticizer (Brit. 587750) in adhesive compositions containing cellulose acetate.

Cellulose Products—Plasticizer (Brit. 587750) for cellulose acetate.

Ceramic—Plasticizer (Brit. 587750) in coating compositions, containing cellulose acetate, used for protecting and decorating ceramic articles.

Chemical—Claimed (Brit. 587750) to have surface-active properties.

Cosmetic—Plasticizer (Brit. 587750) in nail enamels and lacquers containing cellulose acetate as base material.

Electrical—Plasticizer (Brit. 587750) in insulating compositions, containing cellulose acetate, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (Brit. 587750) in compositions, containing cellulose acetate, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather—Plasticizer (Brit. 587750) in compositions, containing cellulose acetate, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer (Brit. 587-750) in coating compositions, containing cellulose acetate, used for protecting and decorating metallic articles.

Miscellaneous—Plasticizer (Brit. 587750) in coating compositions, containing cellulose acetate, used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer (Brit. 587750) in lacquers and dopes containing cellulose acetate.

Paper—Plasticizer (Brit. 587750) in compositions, containing cellulose acetate, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic—Plasticizer (Brit. 587750) in making films from cellulose acetate.

Plastics—Plasticizer (Brit. 587750) in making laminated-fiber and molded articles, also plastic materials from cellulose acetate.

Resin—Plasticizer (Brit. 587750) in solutions and other compositions of resins and cellulose derivatives.

Rubber—Plasticizer (Brit. 587750) in coating compositions, containing cellulose acetate, used for decorating and protecting rubber goods.

Stone—Plasticizer (Brit. 587750) in coating compositions, containing cellulose acetate, used for decorating and protecting artificial and natural stone.

Textile—Plasticizer (Brit. 587750) in compositions, containing cellulose acetate, used in the manufacture of coated fabrics.

Wood—Plasticizer (Brit. 587750) in compositions, containing cellulose acetate, used as protective and decorative coatings on woodwork or for many filling and repairing purposes on wood.

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Ceramic—Plasticizer (Germ. 745468) in compositions, containing vinyl resins or polystyrene, used as coatings for protecting and decorating ceramic articles.

Dental—Plasticizer (Germ. 745468) in resinous materials used as dentures or ingredients of denture compositions.

Electrical—Plasticizer (Germ. 745468) in insulating compositions, containing vinyl resins or polystyrene, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer (Germ. 745468) in compositions, containing vinyl resins or polystyrene, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Ink—Plasticizer (Germ. 745468) in rotogravure, stamp-pad, and textile inks.

Leather—Plasticizer (Germ. 745468) in compositions, containing vinyl resins or polystyrene, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating—Plasticizer (Germ. 745468) in compositions, containing vinyl resins or polystyrene, used as coatings for protecting and decorating metallic articles.

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Drugs and Fine Chemicals

Price changes in this market last week were confined to food and drug materials, except for zinc oxide which advanced ¾ cent per pound. Cocoa butter advanced another cent reflecting the strong commodity market. Menthol advanced 30 cents per pound over the past week in a market strengthened in tone by the lack of offerings from the Far East and the smaller than expected shipments from Brazil. Sulphanilamide prices declined sharply by 25 cents per pound on all grades, which tended to offset the menthol advance causing the index to rise only 0.2 point, becoming 253.4.

In general, the drug and organic chemical industry showed a stable price trend. Industrial organics were moving in heavy volume under a strong demand that has been well sustained over the Spring months and was expected to carry on into the Summer. The great bulk of drug items were said to be moving relatively slow, but there were notable exceptions, such as antibiotics, which were moving at peak outputs. Materials used in medicinals for colds, including antihistaminics, were showing evidence of a seasonal decline.

Glycerin was strong with consuming channels taking all that could be produced, but there was no shortage, and producers looked for a balanced market with respect to supply and demand over the coming weeks, with prices unchanged. Alcohol was abundant, but maintained a good sales volume. Amyl acetate was still quite short in supply, because of the shortage of fusel oil.

Citric acid was expected to show a seasonal rise in demand in the immediate future, and a greater interest in tartaric acid was looked for in most quarters. Purchasing of argols was reported as slow. Castor beans continued on a nominal basis with virtually no trading. Lanolin was said to be in balance with respect to demand and supply, but overhanging the market was the threat of a shortage by virtue of the continued slow operations of the wool scouring industry as a result of the textile slump in woolens. Most of the ester and ketone solvents were in ample supply, moved in heavy volume under a strong demand and firm prices, and posed a business outlook for continued good demand.

Acid, Citric—Demand should soon show a seasonal rise. The advent of the season when bottled beverages and the like have a rising consumption will be apt to cause a gain in the movement of acidifiers to the manufacturing consumers. Canadian imports in 1949 amounted to 2,280,358 pounds, valued at $600,885. Most of this quantity was obtained in the United Kingdom but a better than fair part of the remainder was shipped from the United States.

Acid, Ethylhexoic—A sustained good demand was being met with prompt shipment from adequate stocks. A firm price structure prevailed in which tankcars were quoted at 29½c. per pound, drum carlots at 31c., and less than carlot drum quantities at 32c. per pound. These quotations were on an f.o.b. works basis.

Acid, Glutamic—Laevo glutamic acid moved in steady quantities under a firm price position unchanged from levels which have prevailed in the market over recent months. In 100-pound quantities the 99 percent material was priced at $2.30 to $2.40 per pound. Lots of 25 pounds were quoted at $2.45 per pound. These prices were on an f.o.b. works basis.

Acid, Tartaric—Some gain in consumption was expected to come with the advance of the year into the late Spring and early Summer period. Not a great deal of raw material buying has been done of late but the price of argols continued to show an unchanged and substantial stability. Canadian imports of acid in 1949 totaled 680,267 pounds, according to Canadian sources. The acid came mainly from the United Kingdom and France.

Alcohol—Prices were firm and business volume reported as holding up well. Supplies were, of course, abundant. Production of industrial alcohol in the United Kingdom in January was said to have increased sharply to 2,520,000 imperial gallons, compared with December's output of 1,780,000 imperial gallons. Prices on domestically produced alcohol were stable at levels established at the beginning of the second quarter, and were expected to hold for the immediate future. Higher cost production by virtue of increased raw material costs tended to offset recent advances.

Market Trends

Prices Advanced

Cocoa butter, 1c. per lb.
Menthol, 30c. per lb.
Zinc oxide, USP, ¾c. per lb.

Prices Reduced

Sulphanilamide, 25c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
253.4	253.2	252.7	254.4	258.8

(For Current Prices see Page 9)

Argols—The principal agents for primary market purchase reported the absence of buying during the past week especially, but also for the most part, during recent periods. Recent quotations were confirmed as being very steady and in line with the latest intimations of what shippers will ask when buying in major quantities shall be resumed.

Ditertiarybutyl Peroxide—This chemical widely used as a polymerization catalyst for high temperature styrene reactions was reduced in price as of May 1 from $3 per pound to $2 per pound. The reduction was made possible by expanded usage leading to economies in larger volume production.

Castor Oil—There was no price change in either the oil market or the bean market last week. Beans were still quoted nominally at $125 per long ton, but there was virtually no trading.

Arrivals of beans last week amounted to 10,043 bags equivalent to 1,506,450 pounds, compared with 43,254 bags or 6,488,100 pounds the previous week, and 5,100 bags or 765,000 pounds during the corresponding week of last year.

Total imports of beans since January 1 of this year amounted to 621,506 bags equivalent to 93,225,900 pounds, compared with 800,690 bags or 120,103,550 pounds during the corresponding period of 1949.

Cocoa Butter—During the past week the price of cocoa beans underwent a steady advance which, by the close of the period, had reached substantial proportions. The rise in the price of beans affected the butter market promptly and late in the period quotations were minimum at 52c. per pound, at which price no large quantity was obtainable. The range was 56c., which would have to be paid if substantial quantities were required.

Gelatin—Production of other than photographic gelatin in March was reported by the Bureau of Census as totaling 2,981,039 pounds, compared with 2,986,771 pounds in February. March shipments amounted to 3,044,991 pounds leaving stocks at the end of the month of 6,450,078 pounds.

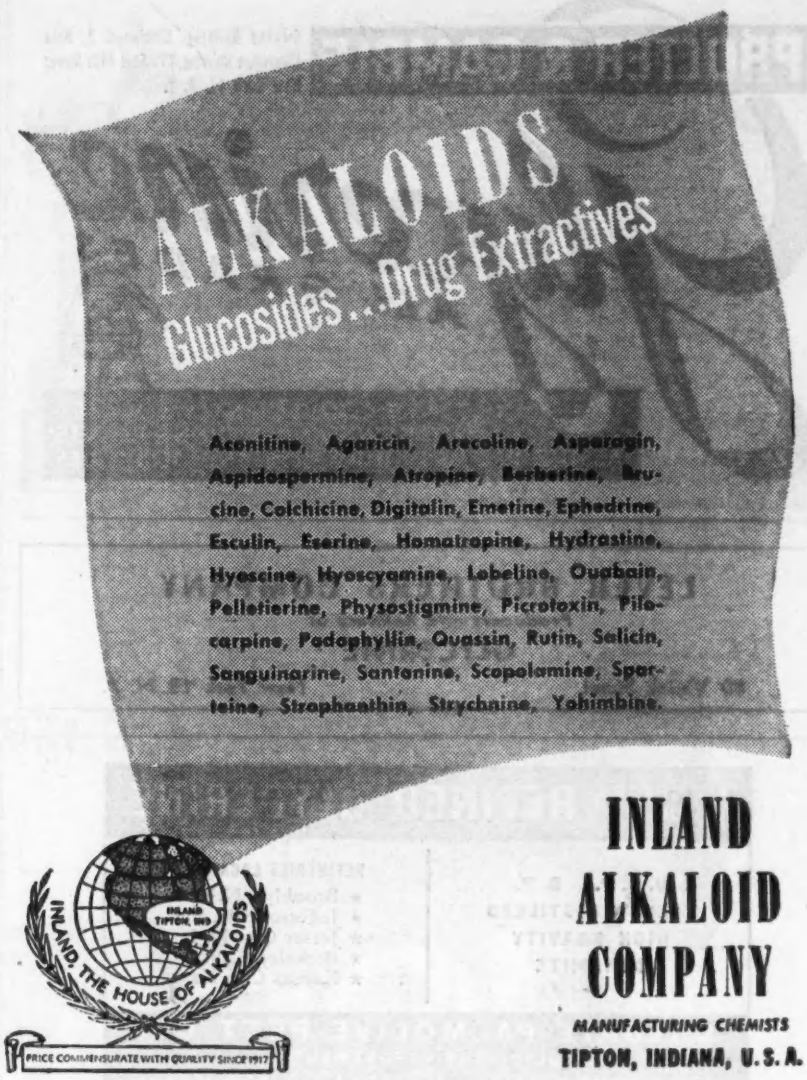
Glycerin—Prices were firm and unchanged. Demand and supply were said to be well balanced, and business volume was reported at a high level. The widely varied glycerin consuming channels were taking as much glycerin as could be produced, but no refined glycerin consumers were experiencing any shortage.

Lanolin—Supplies of lanolin were regarded as in good balance with current demand. While there were apparently no excessive stocks around, anyone who needed lanolin of any grade was said to be able to get it. Overhanging the lanolin market, however, was the continued threat of a shortage of crude degras from which lanolin is made, because wool scouring operations over recent weeks have been at a low rate with some operations having closed down. Unless there is a business pickup in woolens in the textile industry it was felt that lanolin could become in short supply within a relatively short period.

Prices were firm, anhydous cosmetic grade being quoted at 30c. to 32c. per pound, anhydrous pharmaceutical at 28c. to 30c., and hydrous material at 27c. to 29c. per pound.

Menthol—An offering of one ton for shipment from Brazil worked out at $11.10 duty paid, according to a local report regarding cables received last week. The spot market appeared minimum at $10.60 per pound and upwards of $10.75 was quoted according to quantity. Practically nothing has been offered from China in the recent past and exports from Tientsin and Hong Kong have been conservative. Nothing has been forthcoming from Shanghai, according to importers. So far as Japanese material was concerned, nothing was quoted at the origin save at prices far above the spot quotations—around $12

For Late Market Developments, See Page 4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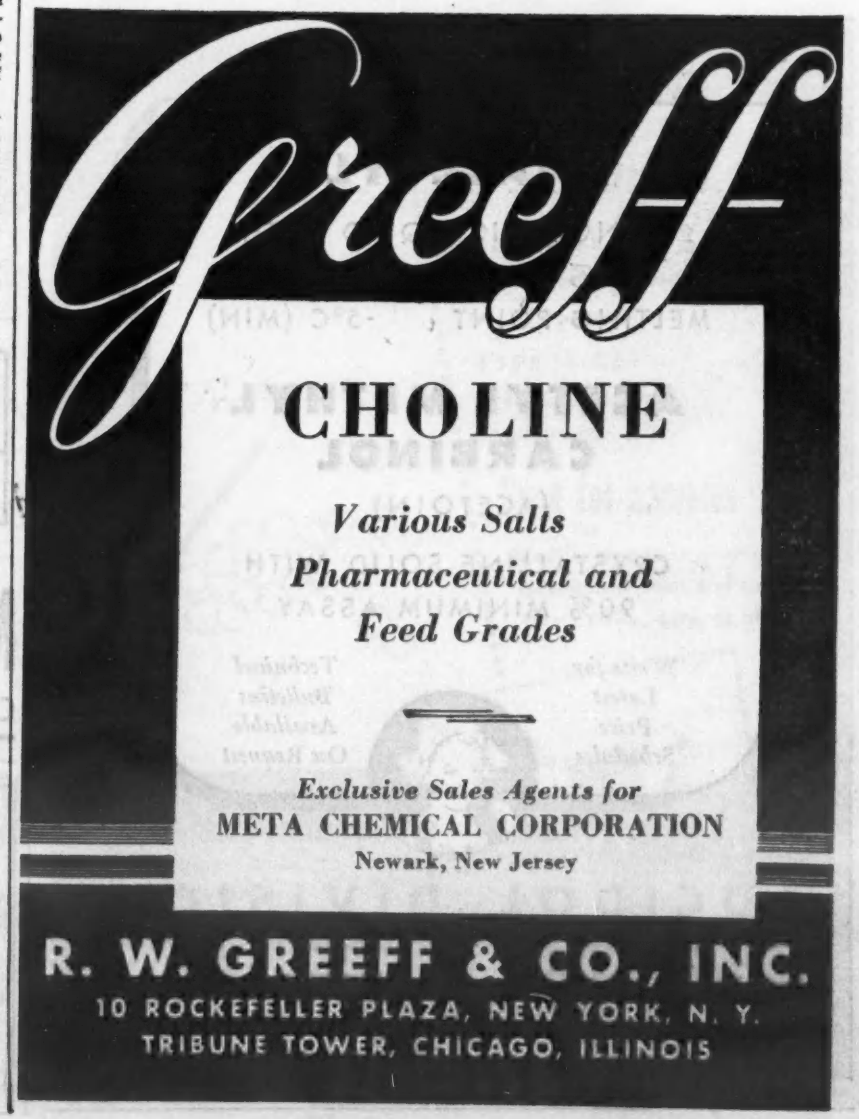

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per pound and better being alleged by the Japanese who also said they could sell all they had to India around that figure. But the Japanese do not have much to sell now; production in Japan runs from a quarter to a third below the prewar output. This drop in mint growing has been laid to the atomic bombs effect on Japanese agriculture with respect to mentha arvensis. Canada took fair quantities in 1949. Her total imports were valued at $219,948 of which sum $117,600 was paid in the United States. She spent $2,552 in the United Kingdom, $94,067 in Brazil, and $5,729 in Australia.

dl-Methionine—The appearance on the market of a new feed grade methionine by a producer at a price schedule of $2.97 per pound in lots of 50 pounds or more, and $3.22 per pound for 1 to 49 pound quantities, was erroneously reported in the previous issue as a 3 cent price reduction in the market. Actually, there was no price reduction involved because the new material is a 97 percent grade, whereas material on the market from another source quoted at $3 per pound in lots of 50 pounds or more and $3.25 per pound in quantities of less than 50 pounds, is a 98 percent grade. The price schedules are accordingly comparable, based on the aminoacid content.

Milk Powder—Purchases of skimmed milk powder for the week ended May 4 amounted to 8,192,505 pounds of spray process material and 4,347,483 pounds of roller process material. This brought total government purchases so far this year to 141,608,076 pounds, compared with 123,026,377 pounds during the corresponding period of last year. Purchases were made at parity prices.

Monosodium Glutamate—The demand for this item continued strong and was being met by prompt shipment from adequate supplies. On a delivered basis, prices for carlot quantities stood at $1.53 per pound and in 1,000 pound lots at $1.54, while 100 pound lots were listed at $1.56.

Oleoresins—Some shiftings in the price and availability of new crop raw materials brought a change in local price levels last week. Capsicum peppers of domestic origin had been notably easier and steadily declining in price in recent periods but such declines had yet to affect prices; however, the range was wider, the market being $4 to $5.25 per pound when made from domestic pepper. On the other hand the spot quotations on ginger oleoresin were definitely lower, thus reflecting some late declines in the replacement cost of root and taking place notwithstanding that ginger root has assumed a firmer position in the past fortnight. Ginger oleoresin made from African root was down to $7.45 to $8.70 per pound, depending on seller, quality and quantity; the oleoresin made from Jamaican root was also lower at $9.40 to $12, same terms. Cubeb oleoresin stood at $6.50.

Propylthiouracil—In quantities of 50 kilos or more, quotations on this item stood at $55 per kilo. Demand was limited and could be promptly supplied from adequate stocks. Smaller quantities ranged upward to $55.30 per kilo for single kilo quantities.

Riboflavin—Both USP and the readily

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soluble type were amply available and moved under moderately good demand at a firm price structure of $125 per kilo.

Sugar—Primary sugar distribution for the week ended April 29 amounted to 148,687 short tons on a raw value basis, according to the Department of Agriculture, compared with 136,613 tons the previous week. This brought the total distribution in 1950 to 2,174,768 tons, compared with 2,209,516 tons during the corresponding period of 1949.

Sulphanilamide—A drop in price schedules of 25 cents per pound across the board on all quantities and grades was effected last week. Under the new schedule USP powder was quoted at $1.05 per pound in lots of 1,000 pounds or more, $1.10 in 100 pound lots, $1.20 in 50 pound lots, and $1.25 in 25 pound quantities. Microcrystals were quoted at $1.30 per pound in lots of 1,000 pounds or more, $1.35 for 100 pound lots, $1.45 for 50 pound lots, and $1.50 for 25 pound quantities. The free flowing crystals were listed at $1.15 per pound in 1,000 pound lots, $1.20 in 100 pound lots, $1.30 in 50 pound lots, and $1.35 in quantities of 25 pounds. These prices were on an f.o.b. works, freight adjusted basis. Price reductions were said to be due to competitive influences in the market, the item being produced by several different manufacturers, in a market characterized by abundant supplies and moderate demand. The influence of foreign competition was reportedly felt in certain sections of the market.

Sulphadiazine — In quantities of 1,000 pounds or more the USP powder was quoted at $10.25 per pound, the USP microcrystals at $10.50 per pound and the free flowing crystals at $11.25 per pound. Smaller quantities moved at the usual standard price differentials. The sodium salt of USP quality was quoted in 1,000 pound lots at $11.25 per pound, with the free flowing crystays carrying a premium price of $1 more.

Testosterone—Price structures were firm in the testosterone hormone market. Straight testosterone and its propionate were firmly quoted at $3.75 per gram, and methyl testosterone was unchanged at $3.50.

Thiamine Hydrochloride — The market was steady with respect to prices but demand was said to be off somewhat from former levels. Tariff Commission reports indicated that February production amounted to 16,569 pounds, as against an output of 19,018 pounds in January.

Zinc Oxide—USP material advanced ¾ cent per pound late last week as a reflection of the higher metal market. Supplies were reported as adequate to take care of the current moderate demand. Prices were currently quoted at 15½ cents in carlots and 16½ cents per pound in less than carlot quantities.

ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries during the period May 4 to 11 by the Economic Cooperation Administration were the following:—

To Belgium-Luxemburg—$700,000 for peanut oil and $1,000,000 for chemicals from the United States.

To Denmark—$1,700,000 for copper and copper products, and $50,000 for chemicals from the United States; $138,000 for copper and $120,000 for zinc from Latin America.

To France—$690,000 for medicinals, $551,000 for industrial chemicals other than alcohol, $550,000 for nonferrous ores and concentrates, $120,000 for essential oils, $55,000 for lard oil, $55,000 for nickel products, and $35,000 for crude drugs from the United States; $1,250,000 for nonferrous ores and concentrates, $320,000 for nonmetallic minerals, and $30,000 for chemicals from Canada.

To French North Africa—$115,000 for chemicals and $94,000 for industrial chemicals other than alcohol from the United States.

To Germany—$610,000 for petroleum, $500,000 for soybean oil, $220,000 for naval stores, $300,000 for industrial chemicals other than alcohol and $90,000 for nonmetallic minerals from the United States; $50,000 for medicinals from Latin America.

To Sweden—$1,300,000 for petroleum from the United States and $700,000 for the same from Latin America.

To Trieste—$77,000 for aluminum products, $77,000 for nickel products, $83,000 for carnauba wax, $23,000 for agricultural pesticides, $54,000 for medicinals and $53,000 for chemicals from the United States.

To United Kingdom—$460,000 for wood rosin and $90,000 for gum turpentine from the United States; $6,800,000 for copper and copper products from the United States and Canada.

'Oxylin' Tablets May Be Poisonous:—FDA

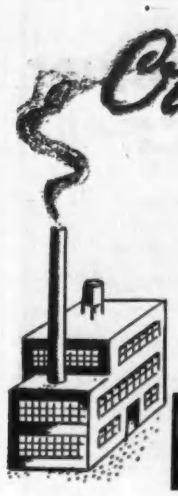
The Food and Drug Administration last week warned hospitals physicians, pharmacists and consumers that a drug is on the market which may cause poisoning. It is "Oxylin" tablets, distributed by Drexel Laboratories, Philadelphia.

During a routine factory inspection, FDA said, it learned that boric acid had been added to the original formula that had been used for years. The distributor immediately started recalling shipments, but he has not been able to tell FDA whereabout 18,000 tablets are located.

Trade Briefs

Foster D. Snell, Inc., New York, has published a new eight-page booklet entitled, "Toxicology," describing a service that the firm has provided for the past thirty years.

Schering Corporation, Bloomfield and Union, N. J., has announced the addition of eleven new professional service representatives, seven to the company's domestic sales division and the balance to the international division.



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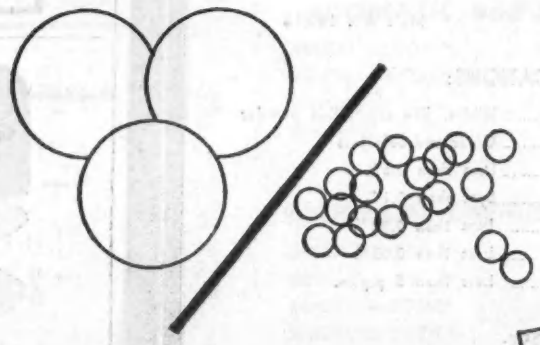

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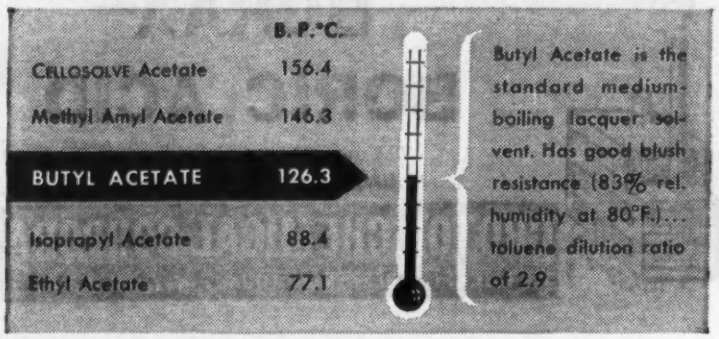
The high purity and uniformity of CARBIDE'S ester solvents will help you maintain high standards of quality in the manufacture of lacquers.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Butyl Acetate is the standard medium-boiling lacquer solvent. Has good blush resistance (83% rel. humidity at 80°F.)... toluene dilution ratio of 2.9

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(Glucose; Corn Sugar; Grape Sugar)

$C_6H_{12}O_6$ Mol. Wt. 180.16

SPECIFICATIONS:

Appearance	White, fine crystalline powder
Solution in H_2O	Clear and colorless
Loss in drying (moisture)	Less than 0.5%
Residue on Ignition (ash)	Less than 0.1%
Chloride	Less than 0.02%
Sulfate	Less than 0.03%
Heavy metals	Less than 5 p.p.m.

COST:

Dextrose Anhydrous CP Lemke is available for spot or contract delivery at economical prices which we will quote on request.

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Armed Forces Day, May 20, Backed by Chemical Industry

C. S. Heathcote of the New York office of Monsanto Chemical Company, St. Louis, has been named chairman of the chemical industry committee for the observance of Armed Forces Day on May 20. Others on the committee are J. D. Fennebresque, Celanese Corporation of America, and T. J. Major, Bakelite Division of Union Carbide & Carbon Corporation.

With a slogan "teamed for Defense," the two-fold purpose of the day will be to familiarize the American people with the current state of defense and to encourage public attention to the services.

Feature of the day in New York City will be a parade of 35,000 servicemen and representatives of veteran organizations and patriotic societies, and a banquet at the Waldorf-Astoria on the evening of May 20, at which the principal speaker will be Secretary of Defense Johnson.

U. S. Rubber Transfers Drug Executives to Providence Plant

United States Rubber Company has transferred key sales, sales promotion and development personnel from its New York City headquarters to its Providence, R. I., plant. Among the drug executives making the move to Providence were Fred O. Thornton, sales manager of drug sundries; Thomas L. Skinner, assistant sales manager of drug sundries; Willis B. Duckham, sales assistant in drug sundries, and Walter J. Morris, formerly of the sales promotion department, who has been promoted to the post of sales assistant in drug sundries.

ECA Appoints C. A. Richards Special Small Business Asst.

Economic Cooperation Administration has announced the appointment of Charles A. Richards as acting special assistant for small business. He succeeds Bert H. White, organizer of ECA's small business program, who leaves for Europe this week to become special adviser to W. Averell Harriman, U. S. special representative in Europe. Mr. Richards has been serving as chief of ECA's small business counseling group for the past several months.

Crotonaldehyde Data Offered

Tennessee Eastman Corporation, Kingsport, Tenn., has published a new technical data sheet on crotonaldehyde. The bulletin contains specifications and properties of this unsaturated aldehyde plus a number of proposed uses, including its application as a specialty solvent and as an intermediate. Copies are available on request by writing the company at Kingsport.

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(MUSCLE ADENYLIC ACID, AMP)

Adenosine-3-Phosphoric Acid
(YEAST ADENYLIC ACID)

Adenosine Triphosphate
(ATP)

Results of biochemical and medical research are stimulating increased clinical interest in the phosphorylated adenosine compounds. AMP and ATP are important for their possible value in cardiac and neuritic ailments, rheumatoid arthritis, pruritus, malnutrition, and metabolic disturbances. Yeast adenylic acid has been used in rheumatic, sinus, and other chronic conditions.

Since Schwarz processes for obtaining AMP and ATP do not require the use of animal tissues as raw materials, our supply of the phosphorylated adenosines is potentially unlimited.

Schwarz fine chemicals meet the exacting requirements of products intended for laboratory and clinical use.

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Calcium hypochlorite, 267,000 pounds, Quartermaster Procurement Agency (New York 3) invitation 796, May 16.

Chemicals, industrial & laboratory, medicines, drugs, period contract, part I, Federal Supply Service (Washington 25) class 51, June 16.

Compressed gases: liquefied petroleum gas, as required from July 1, 1950, U. S. Air Force (Scott Base, Ill.) invitation 44, May 23; oxygen & acetylene, invitation 45, May 24; acetylene, oxygen, chlorine, and illuminating or cooking gas, as required from July 1, 1950, U. S. Penitentiary, Lewisburg, Pa., invitation 14-2997, June 12; chlorine, 921,950 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,401, May 19; oxygen, 99% pure, Post Office Department (Washington 25) invitation 128, May 24; oxygen, nitrous oxide, chlorine, freon, as required from July 1, 1950, Veterans Administration Hospital (Wilmington, Del.) invitation 1, June 1.

Detergent, dishwashing machine, 7,300 pounds, Federal Supply Service (Washington 25) reference 8873863, May 25; 5,000 pounds, Federal Supply Service (Seattle 4) reference 5-1085-1, May 17.

Drugs, including sulfathiazole sodium and pyridoxine hydrochloride, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 612, May 22.

Gelatin dynamite, 75%, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 324, May 22.

Hydrated lime, 64 tons, Navy Department (Naval Shipyard, Philadelphia 12) invitation 9006 Y&D, May 26.

Methylene chloride, various deliveries, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,411, May 17.

Paint, enamel, lacquer & varnish: paint, 500 gallons, U. S. Air Force (Langley Base, Va.) invitation 62, May 17; 600 gallons, Army Transport Corps (Marietta, Pa.) invitation 427, May 23; 5,000 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,296, May 18; 400 gallons, invitation 50,353, May 22; 3,000 gallons, invitation 50,352, May 22; 19,150 gallons, and 2,500 pounds, invitation 50,346, May 23; 10,000 gallons, invitation 50,447, May 29; 1,760 gallons, invitation 50,464, May 18; 44,120 gallons, invitation 50,302, May 18; 465 gallons, invitation 50,452, May 16; enamel, 2,550 gallons, invitation 50,394, May 31; varnish 124 gallons, invitation 50,346, May 23; enamel, 15,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 407, June 5; 5,004 gallons, invitation 405, June 5; lacquer, 10,000 gallons, invitation 410, June 5; lacquer, pyroxylin, 4,500 gallons, invitation 409, June 5; paint, 160 gallons, Reclamation Bureau (Denver, Colo.) invitation 704-SP-2253, May 18; paint, 800 gallons, Federal Supply Service (Chicago 6) invitation 23165, May 24; paint, 900 gallons, Federal Supply Service (New York 13) reference NY-5955, May 18; enamel, 600 gallons, invitation NY-5936, May 17; 72 gallons, reference NY-5937, May 17; varnish, 72 gallons, reference NY-5959, May 18; 84 gallons, reference NY-5958, May 18; paint 360 gallons, reference NY-5956, May 18; 1,260 gallons, and varnish, 156 gallons, invitation NY-W-22447, May 18; enamel, 672 gallons, invitation NY-W-22429, May 17; enamel, 960 cans, Veterans Administration (Washington 25) invitation R-156, May 23.

Pentachlorophenol, wood preservative, 12,045 gallons, Quartermaster Procurement Agency (New York 3) invitation 822, May 23.

Resin, gum or wood, 1,280 tons, Quartermaster Procurement Agency (New York 3) invitation 831, May 31.

Shortening, hydrogenated, 800,000 pounds, Quartermaster Purchasing Division (Chicago 9) invitation 11009-29, June 8.

Sodium chloride, 300,000 pounds, Navy Department (Naval Shipyard, Philadelphia 12) invitation 9003 Y&D, May 26; rock salt, 100 tons, Federal Supply Service (Seattle 4) reference 1-M-3359, May 19.

Spices, various, Quartermaster (Seattle 14, Wash.) invitation 39, June 5; black pepper, curry powder, turmeric, thyme, Federal Supply Service (Seattle 4) reference 5-A-1073-1, May 19.

Sulphuric acid, storage batteries, 5,118 gallons, Army Engineers Corps (Chicago 6) invitation B-1382, May 31.

Thinner, pyroxylin lacquer, 5,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 411, June 5; 15,000 gallons, invitation 412, June 5.

Water purification tablets, Navy Purchasing Office (New York 3) invitation 6451, May 19.

Wax, floor, 1,100 gallons, Federal Supply Service (Cleveland) invitation CL-2660-50, May 16; 1,000 gallons, Federal Supply Service (Seattle 4) invitation FW-9583, May 23; 6,610 gallons, reference FW-9629, May 25; 4,800 pounds, Federal Supply Service (New York 13) reference NY-5954, May 18.

White lead, in oil, 9,000 pounds, Federal Supply Service (New York 13) reference NY-5933, May 17.

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ABURAGAREI OIL—10 dms, Consumers Import, Yokohama
ACRYLONITRILE—1 can, Monsanto Chemical Research Dept, Amsterdam
3 cs, Monsanto Chemical Research Dept, Rotterdam
AGAR—75 bls, Siber Hegner, Kobe
ALBUMIN, BLOOD — 1 bg, Hennigsen Bros, Copenhagen
ALCOHOL CETYL—10 cs, Harry Dixon & Sons, Liverpool
AMBRETTE SEED—6 bgs, Tombarel Products, Port au Prince
ANILIN COLORS—35 dms, Sandoz Chemical Works, Havre
13 cans, Ciba Co, Havre
ANISE SEED—114 bgs, Corn Exchange Bank, Vera Cruz
ANTHRACENE—10 cks, Harshaw Chemical, Rotterdam
14 cs, American Union Transport, Rotterdam
ARABIC GUM—450 bgs, Port Sudan
250 bgs, Duche & Sons, Port Sudan
523 bgs, Thurston & Braidich, Port Sudan
150 bgs, Tragacanth Import Co, Port Sudan
ARGOLS—877 bgs, Tartaric Raw Materials, Lisbon
ARSENIC—209 bbls, American Smelting & Refining, Tampico
ASBESTOS FIBER—4,300 bgs, Union Asbestos & Rubber, Lourenco Marques
1,300 bgs, Johns Manville, Lourenco Marques
BEEF EXTRACT—200 cs, Armour, Buenos Aires
54 cs, Tec Chemicals, Buenos Aires
GLANDS—12 cs, Van Gelder Fanto, Havana
61 cs, Parke Davis, Buenos Aires
BEESWAX—9 bgs, Havana
71 bgs, Guaranty Trust Co, San Antonio
8 bgs, Porcella Vicini, Puerto Plata
76 bgs, Geck Trading, Ciudad Trujillo
246 bgs, E A Bromund, Durban
200 bgs, Mercantile Metal & Ore, Rio de Janeiro
23 bls, Strohmeyer & Arpe, Lisbon
20 bgs, Schutte & Focke, Ciudad Trujillo
41 bgs, Curacao Trading, Ciudad Trujillo
BENZOIN GUM—10 cs, Overseas Credit, Bangkok
BERGAMOT OIL—1 cs, Palermo
BERYL ORE—600 bgs, Diamond Drill Carbon, Rio de Janeiro
BONES—136 bgs, International Packers Commercial, Santos
BUCHU LEAVES—6 bls, Prentiss & Co, Capetown
CALABAR BEANS—68 bgs, Freetown
CANANGA OIL—3 bbls, Schimmel & Co, Hamburg
1 dm, Florasynth Labs, Rotterdam
CANDELILLA WAX—500 bgs, Tampico
CAPSICUM—4 bgs, Murwal, Accra
CARDAMOMS—52 bgs, P H Petry, Puerto Barrios
17 bgs, Dodge & Olcott, Puerto Barrios
CARNAUBA WAX—110 bgs, Paul A Dana, Rio de Janeiro
250 bgs, Smith & Nichols, Rio de Janeiro
250 bgs, Wessel Duval, Rio de Janeiro
96 bgs, Cornelius Products, Rio de Janeiro
35 bgs, J W Hanson, Rio de Janeiro
44 bgs, Rio de Janeiro
CASEIN—1,100 bgs, Hercules Powder, Buenos Aires
1,000 bgs, E Lang, Buenos Aires
2,500 bgs, Crawford Co, Buenos Aires
500 bgs, Bristol Trading, Buenos Aires
400 bgs, Buenos Aires
100 bgs, Tupman Thurlow, Buenos Aires
1,000 bgs, American Cyanamid, Buenos Aires
900 bgs, Borden Co, Buenos Aires
540 bgs, International Commercial, Montevideo
CASSIA—2 bls, Internatio Rotterdam, Tandjong Priok
57 bls, Van Norden & Archibald, Tandjong Priok
422 bls, Joensson & Cross, Tandjong Priok
180 bls, Charles T Wilson, Tandjong Priok
188 bls, Frank Tea & Spice, Tandjong Priok
CASTORBEANS—6,793 bgs, Baker Castor Oil, Bahia
1,450 bgs, Baker Castor Oil, Port de Paix
400 bgs, Spencer Kellogg, Cape Haitien
1,400 bgs, Spencer Kellogg, Manta
OIL—122 dms, Buenos Aires
CELERYSEED—87 bgs, Otto Gerdau, Bombay
76 bgs, C T Wilson, Bombay
CHARCOAL—1,380 bgs, Union Carbide, Kingston
CHEMICALS, AROMATIC—1 cs, Roure-Dupont, Havre
1 bg, Roure-Dupont, Havre
CHILLIES—85 bgs, Murwal, Accra
30 cs, Imco Trading, Kobe
CHOLESTEROL—3 cks, United Sterling Corp, Rotterdam
CHROME ORE—5,003 tons, E J Lavino, Karachi
CITRONELLA OIL—11 dms, Norda Essential Oil & Chemical, Tandjong Priok
6 dms, Givaudan-Delawanna, Tandjong Priok
CLOVES—200 bgs, Joensson & Cross, Marseilles
290 bgs, Havre
100 bls, Uno Shipping Co, Amsterdam
OIL—25 dms, Lo Curto & Funk, Durban
13 dms, Durban
COCOA CAKE—1,092 bls, General Cocoa, Bahia
EXPELLER CAKE—4,999 cs, Victoria
2,143 bgs, General Cocoa, Bahia
CODLIVER OIL—101 dms, Middleton & Co, Halifax
100 dms, Peder Devold, St Johns
100 dms, Vitaron Chemicals, St Johns
12 bbls, European Chemical, St Johns
35 dms, Albumina Supply, Lisbon
COPRA MEAL—4,000 bgs, Balfour Guthrie, Bugo
CORUNDUM ORE—101 tons, C Tennant Sons, Lourenco Marques
60 bgs, Iro Trading, Cape Town
CREAM OF TARTAR—40 bbls, Kurt Alexander, Tarragona
150 bbls, F H Taussig, Genoa
CRESYLIC ACID—25 dms, George F Smith, Liverpool
DAMMAR GUM—120 bgs, Thurston & Braidich, Tandjong Priok
DILLSEED—100 bgs, K A Export, Bombay
DIMETHYLAMINOXYCHINIZIN—36 cks, Antwerp
DIVI DIVI—191 bgs, Central Hanover Bank, Kingston
DOGRASS ROOT—9 bls, S B Penick, Antwerp
DOGWOOD BARK—24 bgs, J L Hopkins, Kingston
DRUGS, BOTANICAL—12 bgs, Peek & Velsor, Genoa
DYESTUFFS—78 dms, Sandoz Chemical Works, Havre
20 cks, Sandoz Chemical Works, Havre
1 ck, Ciba Co, Havre
EARTH COLORS—20 cks, Adelphi Paint & Color, Rotterdam
EGG YOLK, SPRAY—112 cs, Stein, Hall, Taku Bar
112 cs, Getz Import, Taku Bar
ESSENTIAL OILS—4 cs, Zanadu Co, Havre
1 cs, J E Bernard, Havre
2 cs, Florasynth Labs, Rotterdam
19 dms, Vera Cruz
2 dms, Roure-Dupont, Marseilles
3 cs, Roure-Dupont, Marseilles
12 dms, Camilli Albert & Laloue, Marseilles
6 cs, Camilli Albert & Laloue, Marseilles
2 dms, Bertrand Freres, Marseilles
1 cs, Bertrand Freres, Marseilles
3 dms, Roure-Dupont, Casablanca
FISHLIVER OIL—17 dms, National City Bank, Yokohama
20 dms, Wilbur Ellis, Yokohama
FUEL OIL—101,681 bbls, Cities Service Oil, Tampico
100,723 bbls, Metropolitan Petroleum, Cardon
39,483 bbls, Metropolitan Petroleum, Curacao
109,562 bbls, Cities Service Oil, Punta Cardon
536,000 bbls, Esso Standard Oil, Aruba
63,553 bbls, Asiatic Petroleum, Curacao
170,523 bbls, Paragon Oil Co, Curacao
GAS ENRICHMENT OIL—106,423 bbls, Esso Standard Oil, Caripito
GELATIN—300 bgs, Transatlantic Animal By-Products, Rotterdam
GERANIUM OIL—1 dm, Naugatuck Aromatics, Marseilles
4 dms, Dodge & Olcott, Marseilles
GINGER—211 bgs, Becker Mayer, Lagos
600 bgs, Superintendence, Freetown
1,916 bgs, Freetown
288 bgs, Balfour, Guthrie, Freetown
364 bgs, K H Landes, Kingston
140 bgs, Otto Gerdau, Kingston
150 bgs, C T Wilson, Kingston
100 bgs, Mincing Trading, Kingston
700 bgs, Merchants Refrig, Kingston
157 bgs, Joensson & Cross, Bangkok
GLUE—300 bgs, Rotterdam
10 bgs, C B Hewitt & Bros, Antwerp
GRAPHITE—1 bg, Eberhard Faber, Hamburg
HAARLEM OIL—15 cs, Rotterdam
HAKELIVER OIL—20 dms, Frazar & Co, Cape Town
IPECAC ROOT—9 bgs, Wessel, Duval, Cartagena
IRISHMOSS—100 bgs, T M Duche & Sons, Havre
IRON OXIDE, RED—218 bgs, Whittaker Clark & Daniels, Malaga
100 bbls, Whittaker Clark & Daniels, Malaga
10 cks, J H Rhodes, Liverpool
120 bgs, J Lee Smith, Hull
JALAP ROOT—35 bgs, Vera Cruz
JAPAN WAX—20 cs, W Diehl, Kobe
KAMALA POWDER—17 bgs, R J Prentiss, Bombay
KARAYA GUM—134 bgs, Stein, Hall, Bombay
67 bgs, S B Penick, Bombay
LAVENDER FLOWERS—20 bls, Peek & Velsor, Marseilles
OIL—4 cks, Marseilles
LEAD—55,115 lbs, American Union Transport, Yokohama
LEMON OIL—80 cs, Manufacturers Trust, Palermo
8 cs, Palermo
LEMONGRASS OIL—6 dms, Chase National, Cochin
12 dms, Norda Essential Oils, Puerto Barrios
LIME OIL—4 cs, Florasynth Labs, Port of Spain
LOCUST BEAN GUM—800 bgs, Genoa
100 bgs, Innis, Speiden, Genoa
450 bgs, Amsterdam
LOGWOOD EXTRACT—60 cks, American Dyewood, Kingston
MAGNESIA CARBONATE—1,400 bgs, Reheis Co, Liverpool
MAGNESITE—1,200 bgs, Golwynne Chemical, Madras
MANDARIN OIL—2 cs, Palermo
MANGANESE DIOXIDE—1 bg, South American Minerals, Coquimbo
ORE—1 cs, Bowning Co, Casablanca
2 bgs, South American Minerals, Coquimbo
MEDICINAL HERBS—4 bls, Antwerp
29 bls, S B Penick, Antwerp
16 bls, S B Penick, Buenos Aires
128 bgs, Alicante
MENTHOL—53 cs, Expedo Corp, Taku Bar
50 cs, Vick Chemicals, Santos
MERCURY PHENATE—24 dms, C A Redden, Liverpool
MICA—209 cs, Western Hemisphere Raw Materials, Santos
46 cs, Marcos Gunther, Buenos Aires
165 cs, A D Brown, Calcutta
35 cs, Manchard, Calcutta
435 cs, Ford Radio & Mica, Calcutta
950 cs, Ameritex Dev, Calcutta
200 cs, James F Garneau, Calcutta
105 cs, United Mineral & Chemical, Calcutta
95 cs, Asheville Schoonmaker, Calcutta
100 cs, Asheville Schoonmaker, Madras
50 cs, Otto Gerdau, Madras
110 cs, United Mineral & Chemical, Madras
136 cs, Cornelius & Suhr, Madras
100 cs, W Brand, Madras
45 cs, Otto Gerdau, Rio de Janeiro
78 cs, Eugene Munsell, Rio de Janeiro
117 cs, Sylvania Electric Products, Rio de Janeiro
32 cs, Ford Radio & Mica, Rio de Janeiro
19 cs, Sigbert Loeb, Rio de Janeiro
MILK SUGAR—32 cs, European Chemical, Rotterdam
MOLASSES—8,449 tons, Cuban Institute, Bufadero
1,817 tons, Cuban Institute, Maniti
MONTAN WAX—200 bgs, Innis Speiden, Rotterdam
NAPHTHALENE—1,940 bgs, European Chemicals, Antwerp
2,746 bgs, Calco Chemicals, Rotterdam
1,000 bgs, Reney Shipping, Rotterdam
NEATSFOOT STOCK—19 trcs, International Packers Commercial, Buenos Aires
NUTMEGS—375 bgs, John Holt, Grenada
4 bgs, R T Downing, Grenada
1 pcl, Middleton & Co, Grenada
NUX VOMICA—800 bgs, Volkart Bros, Cochin
OCOTEA CYMBARUM OIL—44 dms, Dodge & Olcott, Itajai
22 dms, Norda Essential Oil, Itajai
20 dms, A V Berner, Rio de Janeiro
OLIBANUM GUM—67 bgs, Manufacturers Trust, Massawa
67 bgs, Pan American Trading, Massawa
OLIVE OIL—130 dms, National City Bank, Seville
25 dms, American Trust, Seville
300 dms, Manufacturers Trust, Seville
20 dms, Public National Bank, Seville
230 dms, Chase National, Seville
17 dms, Irving Trust, Seville
10 dms, Bank of Manhattan, Seville
50 dms, Seville
105 dms, Chemical Bank & Trust, Seville
25 dms, A Corrao, Palermo
52 dms, Hellenic Bank & Trust, Barcelona
36 dms, Credit Suisse, Barcelona
22 dms, Chase National, Barcelona
50 dms, Manufacturers Trust, Tarragona
50 dms, National City, Tarragona
85 dms, Chase National, Malaga
49 dms, Manufacturers Trust, Malaga
120 dms, Malaga
2 dms, Piraeus
FOOTS—160 dms, Leghorn Trading, Naples
ORANGE OIL—1 cs, Palermo
ORRIS ROOT—85 bgs, Bank of Manhattan, Leghorn
OURICURY WAX—112 bgs, W R Grace, Bahia
OX GALL CONCENTRATE—4 trcs, International Packers Commercial, Santos
6 trcs, Wilson & Co, Buenos Aires
PAINT, ANTIFOUL PASTE—60 dms, International Paint Co, Liverpool
PALMAROSA OIL—2 dms, Givaudan-Delawanna, Bombay
PAPRIKA—350 bgs, J Weinstein, Alicante
500 bgs, J Navarro, Alicante
300 bgs, R F Downing, Alicante
10 cs, West Coast Lines, Alicante
900 bgs, Alicante
PATCHOULI OIL—3 cs, George Lueders, Penang
4 cs, Roure-Dupont, Penang
2 cs, Dodge & Olcott, Penang
PEATMOSS—360 bls, C Gastmeyer, Rotterdam
750 bls, Rotterdam
10 bls, Vendome Intern, Hamburg
1 bl, Premier Peatmoss, Hamburg
1,175 bls, J E Bernard, Hamburg
300 bls, E J Lang, Hamburg
779 bls, Premier Peatmoss Corp, Bremen
PEPPER, BLACK—80 bgs, Internatio Rotterdam, Bombay
160 bgs, Peter Commercial, Bombay
200 bgs, Bansidhar Gopaldas, Bombay
160 bgs, Mincing Trading, Bombay
80 bgs, Dalton Cooper, Cochin
PEPPER, BLACK—360 bgs, Volkart Bros, Bombay
80 bgs, Lo Curto & Funk, Bombay
640 bgs, Alleppey
160 bgs, Superintendence, Cochin
80 bgs, A G Dunn, Cochin
80 bgs, M Golodetz, Cochin
80 bgs, J Berlage, Cochin
80 bgs, Irving Trust, Cochin
480 bgs, Alleppey
160 bgs, Internatio Rotterdam, Cochin
80 bgs, Virchand Panachand, Cochin
320 bgs, Mincing Trading Co, Cochin
240 bgs, National City Bank, Cochin
67 bgs, Balex Co, Beirut
160 bgs, W L Willner, Beirut
80 bgs, Genoa
WHITE—35 bgs, Mincing Trading, Singapore
PETITGRAIN OIL—286 cs, Buenos Aires
PETROLEUM, CRUDE—207,926 bbls, Esso Standard Oil, Cartagena
124,616 bbls, Socony Vacuum Oil, Puerto La Cruz
126,029 bbls, California Refining, Puerto La Cruz
107,660 bbls, Esso Standard Oil, Las Piedras
PHTHALIC ANHYDRIDE—551 bgs, Reichold Chemicals, Rotterdam
PIMENTO BERRIES—80 bgs, Corn Exchange Bank, Kingston
LEAF OIL—2 dms, Magnus, Mabee & Reynard, Kingston
POLINYL CHLORIDE—1 pkg, American Express, Liverpool
POLLACKLIVER OIL—96 dms, Nopco Chemical, Yokohama
PSYLLIUM SEED—240 bgs, T M Duche, Bombay
136 bgs, S B Penick, Bombay
QUASSIA CHIPS—142 bgs, Newton Jackson, Kingston
QUEBRACHO EXTRACT—5,234 bgs, Manufacturers Trust Co, Buenos Aires
500 bgs, International Products, Buenos Aires
2,650 bgs, River Plate Import & Export, Buenos Aires
1,138 bgs, Tanimex Corp, Buenos Aires
QUICKSILVER—95 flasks, Metalsalts Corp, Vera Cruz
105 flasks, Metalsalts Corp, Tampico
RED SQUILLS—1,053 bgs, S B Penick, Algiers
RHATANY ROOT—149 bls, W R Grace, Coquimbo
RHUBARB ROOT—72 bgs, S B Penick, Bombay
SABADILLA SEED—31 bgs, Wessel Duval, La Guayra
SAFFRON—1 cs, Galvanoni & Nevy, Genoa
11 bgs, Vera Cruz
SEEDLAC—600 bgs, W Zinsser, Calcutta
400 bgs, Mantrose, Calcutta
100 bgs, P N Rowe, Calcutta
409 bgs, United Shellac, Bangkok
SENNA PODS—25 bls, S B Penick, Tuticorin
SESAMESEED—90 bgs, Louis Furth, Bombay
SCHEELITE ORE—54 dms, Rotterdam
SHARKLIVER OIL—47 dms, Nopco Chemical, Yokohama
33 dms, Wilbur Ellis, Yokohama
SHELLAC—71 bgs, P N Rowe, Calcutta
50 bgs, Gillespie-Rogers-Pyatt, Calcutta
30 bgs, W Diehl, Calcutta
SOAP BARK—240 bls, S B Penick, San Antonio
SODIUM CYANIDE—3,000 dms, Terra Chemicals, Amsterdam
STRAMONIUM LEAVES—13 bls, R J Prentiss, Buenos Aires
SULPHUR—1 cs, Istanbul
SUMAC, GROUND—420 bgs, River Plate Import & Export, Palermo
LEAF—100 bls, Bankers Trust, Palermo
SYRUP, INVERT—239,810 gls, American Molasses, Havana
TALC—1,100 bgs, Charles Mathieu, Genoa
2,000 bgs, L A Salomon, Buenos Aires, Marseilles
TAPIOCA FLOUR—6,600 bgs, Stein, Hall, Imbituba
3,500 bgs, Stein Hall, Itajai
1,250 bgs, Sembodja Co, Bangkok
770 bgs, American Key Products, Bangkok
2,500 bgs, Corn Products Refining, Puerto Plata
TARTAR—1,866 bgs, Tartaric Raw Materials, Algiers
6,103 bgs, Tartaric Raw Materials, Oran
TEA WASTE — 1,400 bgs, Maywood Chemical Works, Calcutta
THEOPHYLLIN—6 cks, Antwerp
THYMOL—10 cs, Magnus, Mabee & Reynard, Hamburg
TIN ORE—3,000 bgs, W R Grace, Mollendo
TOLU BALSAM—100 cs, Wessel Duval, Barranquilla
TUMERIC—240 bgs, Volkart Bros, Cochin
160 bgs, W E Martin, Cochin
64 bgs, J Berlage, Cochin
664 bgs, Alleppey
160 bgs, Bankers Trust, Cochin
TUNG OIL—194 dms, Charles Tennant Sons, Buenos Aires
2,190 dms, Buenos Aires
660 dms, Arnhold & Co, Taku Bar
522 dms, Balfour Guthrie, Taku Bar
159 dms, Internatio Rotterdam, Taku Bar
1,044 dms, Murray Oil Products, Taku Bar
UREA—2,000 bgs, United Sterling, Rotterdam
VANILLA BEANS—23 cs, Havre
3 cs, Zink & Triest, Tandjong Priok
VETIVER OIL—4 dms, Naugatuck Aromatics, Marseilles
WATTLE BARK—8,294 bls, Hammond & Carpenter, Durban
1,100 bls, Bank of N Y & 5th Ave, Mossel Bay
2,204 bls, American Dyewood, Durban
WOLFRAM ORE—273 bgs, W R Grace, Mollendo
WOOL GREASE—270 dms, Rotterdam
YLANG YLANG OIL—1 dm, Naugatuck Aromatics, Marseilles
1 dm, Bankers Trust, Marseilles

Baltimore

CHROMITE —2,225 tons, L J Buck, Lourenco Marques
CRESYLIC ACID—292 dms, Imperial Chemicals, Liverpool
MANGANESE ORE—3,400 tons, Carnegie Illinois Steel Co, Durban
2,000 tons, Base Metals, Iloilo
MICA SCRAP—400 bgs, Lourenco Marques
OLIVE OIL—100 dms, Schroeder Bros, La Goolette
PEATMOSS—1,040 bls, Rotterdam
PEPPER, BLACK—160 bgs, Alleppey
QUEBRACHO EXTRACT—3,568 bgs, International Products, Buenos Aires
1,050 bgs, H J Schluter Co, Buenos Aires
SUMAC—140 bgs, Manufacturers Trust, Palermo
UMBER, BURNT—238 bgs, First National of Baltimore, Larnaca
WATTLE BARK—3,014 bls, Hammond & Carpenter, Durban

Boston

ANILIN COLORS—1 dm, Arnold Hoffman, Liverpool
ANTIMONY REGULUS—4 cks, C Gitlan & Co, Antwerp
BONES—1,249 bgs, International Packers Commercial, Montevideo
CASEIN—500 bgs, E Lang, Buenos Aires
1,000 bgs, P A Dunkel, Buenos Aires
GELATIN—200 bgs, Transatlantic Animal By-Products, Rotterdam
GLUESTOCK—466 bls, H Remis, Rotterdam
NAPHTHALENE—2,500 bgs, Antwerp
OLIVE OIL—25 dms, National Shawmut Bank, Tarragona
25 dms, 1st National Bank Boston, Seville
190 dms, Chemical Bank & Trust, Seville
90 dms, Cadiz
QUEBRACHO EXTRACT — 1,042 bgs, Tanimex Corp, Buenos Aires
1,917 bgs, River Plate Import & Export, Buenos Aires
4,194 bgs, American Tanners, Buenos Aires
SHELLAC—20 dms, F H Paul & Stein, Hamburg
SODIUM BICARBONATE—500 bgs, Chemical Manufacturing Co, Liverpool
SALT—130 dms, Rotterdam
STEARIN PITCH—15 dms, Kehew Bradley, Liverpool
TAPIOCA FLOUR—750 bgs, Sembodjo, Bangkok
VERMICULITE—501 tons, Munna Steele, Lourenco Marques

Norfolk

MICA—10 cs, Asheville Schoonmaker, Madras
18 cs, Asheville Schoonmaker, Calcutta
QUEBRACHO EXTRACT—1,050 bgs, H J Schluter, Buenos Aires
SODIUM BICARBONATE — 2,000 bgs, Chemical Manufacturing Co, Liverpool

Philadelphia

ACID FLUORSPAR—2,002,535 kilos, Continental Ore, Genoa
ANTIMONY REGULUS—284 cs, John H Faunce, Casablanca
BONEMEAL—5,092 bgs, Credit Suisse, Rosario
5,556 bgs, Baugh & Sons Rosario
5,186 bgs, Credit Suisse Buenos Aires
BRASS SCRAP—33 dms, Davies Turner, Antwerp
794 pcs, Chase National, Stockholm
COPAL GUM DUST—200 bgs, Brown Bros Harriman, Antwerp
COPPER, SCRAP—78 dms, Rouen
CRESYLIC ACID—69 dms, Rotterdam
CUBE POWDER—25 bgs, Callao
FLUORSPAR SAND — 504,845 kilos, Continental Ore, Genoa
FUEL OIL—111,913 bbls, J M Patterson, Aruba Aruba
103,000 bbls, Esso Export, Aruba
ILMENITE ORE—10,250 tons, American Cyanamid, Koiltholm
LEAD, ELECTROLYTIC — 9,885 bars, American Metal, Callao
VIRGIN—27,180 ingots, Philipp Bros, Casablanca
331 ingots, Nijkerk Co, Antwerp
MAGNESITE CAUSTIC, CALCINED — 1,999 bgs, Commercial National Bank & Trust, Rotterdam
MAGNESIUM SILICO FLUORIDE—40 cks, Harshaw Chemical, Rotterdam
MANGANESE ORE—4,400 tons, E J Lavino, Takoradi
METALLURGICAL FLUORSPAR—1,681,570 kilos, Continental Ore, Genoa
MOLASSES—1,551,144 gal, Cuban Institute, Pastelillo
387,061 gal, Cuban Institute, Matanzas
1,060,158 gal, Cuban Institute, Tarafa
815,243 gal, Cuban Institute, Manati
NAPHTHALENE—500 bgs, Commercial Steel & Chemical, Antwerp
2,777 bgs, Allied Chemical & Dye, Rotterdam
OLIVE OIL—515 dms, Smith Weihman Co, Lisbon
PEATMOSS—1,000 bls, Bank of Manhattan, Bremen
600 bls, Keer Maurer Co, Bremen
PETROLEUM, CRUDE—119,560 bbls, Texas Oil, Pamatacual
122,395 bbls, Socony Vacuum, Covenas
247,177 bbls, Gulf Oil, Puerto La Cruz
125,794 bbls, Atlantic Refining, Santos
119,262 bbls, Atlantic Refining, Puerto La Cruz
110,592 bbls, Gulf Oil, Caripito
115,219 bbls, Texas Oil, Pamatacual
119,949 bbls, Atlantic Refining, Puerto La Cruz
115,727 bbls, Texas Oil, Las Piedras
125,807 bbls, Socony Vacuum, Covenas
QUEBRACHO EXTRACT—544 bgs, Chase National Bank, Buenos Aires
543 bgs, Chemical Bank & Trust, Buenos Aires
UREA—2,000 bgs, Liverpool
WATTLE BARK—1,100 bls, Bank of New York & 5th Ave, Durban
EXTRACT—1,524 bgs, Bank of New York & 5th Ave, Lourenco Marques
504 bgs, Manufacturers Trust, Lourenco Marques
WHITING—1,600 bgs, Nicholas H Weitzner, Antwerp
WOOD FLOUR—508 bgs, Burnett Co, Gothenburg

Quincy

ALBUMEN, EGG—33 cs, Bowen Co, Taku Bar
COCONUT OIL—675 tons, Procter & Gamble, Cebu

San Francisco

BOOT POLISH—7 cs, Beton Co, London
CALCIUM CHLORIDE—454 dms, Lightwork Products Inc, Antwerp
CARAWAY SEED—300 cs, Catz American, Antwerp
CASSIA—84 bls, S H Tyler, Hong Kong
50 bls, D Hecht, Hong Kong
CELERYSEED—82 bgs, D Hecht, Bombay
85 bgs, H M Newhall, Bombay
CELLULOSE PAINT—5 dms, Swansson & Lindstrand, Gothenburg
COPRA—1,250 tons, El Dorado Oil Wks, Zamboanga
500 tons, Cargill Inc, Iloilo
MEAL—6,000 bgs, Balfour, Guthrie, Manila
COTTON LINTERS—50 bls, W R Grace, La Libertad
CREOSOTE—247 tons, Bernuth Lembcke, Grangemouth
1,518 tons, Bernuth Lembcke, Vlaardingen
GYPSUM ROCK—8,807 tons, Kaiser Gypsum, San Marco Island
MACE—25 cs, K H Landes, Curacao
MINERAL CONCENTRATES—280 dms, American Smelting & Refining, Manila
OLIVE OIL—100 dms, G Oberti & Sons, Malacca
200 dms, A J Fritz, Malacca
50 dms, G Granucci & Sons, Malacca
50 dms, Monteverde & Parodi, Malacca
75 dms, Veronica Olive Oil, Malacca
25 dms, R Vannucci, Malacca
PAPRIKA—50 bgs, S H Tyler, Malacca
PEPPER, BLACK—224 bgs, D Hecht, Bombay
80 bgs, Superintendence, Bombay
WHITE—28 bgs, W A Pokarny, Cochin
POPPYSEED—150 bgs, Catz American, Antwerp
PYROTECHNICS—1,686 cs, National City Bank, Hong Kong
125 cs, R E Apelt, Hong Kong
75 cs, Liebermann Waelchli, Hong Kong
SADDLE SOAP—270 ctns, Beton Co, London
SAKE CAKE MEAL—350 bgs, Nippon Co, Nagoya
SCHEELITE—99 bgs, Felsum Co, Kobe
SESAME SEED—1,502 bgs, Pacific Vegetable Oil, Taku Bar
450 bgs, H M Newhall, Corinto
SHARK LIVERS—493 tins, Nopco Chemical, Yokohama
SODIUM MONOGLUTAMATE — 110 cs, Modern Food Products, Kobe
TIN—700 ingots, American Metal, Hong Kong
775 ingots, Antwerp
TUNG OIL—775 dms, Pacific Vegetable Oil, Taku Bar
170 tons, S L Jones, Hong Kong
200 tons, L N Jackson, Hong Kong
VARNISH GUMS—30 bgs, H W Peabody, Manila

Obituaries

George A. Goodell

Dr. George A. Goodell, chairman of the board of the Kentucky Color & Chemical Company, Louisville, died recently in Altadena, Calif. He was seventy-nine years old.

Dr. Goodell started his business career in 1911 with Henry Woods Sons Company, Boston color manufacturer, and remained as superintendent of that company for two years. In 1913 he was named superintendent of the dry color department of Sherwin-Williams Company, a post he held until 1919 when he went to Louisville to found Kentucky Color along with the late Arthur W. Clark, Sevier Bonnie and Robert P. Bonnie.

Dr. Goodell was vice-president and general manager of the company until 1936, when he succeeded Mr. Clark as president. He resigned the presidency in 1944 to become chairman of the board, a post he held until his death.

Col. James E. McNary

Col. James E. McNary, a special consultant to the Standard Oil Company (New Jersey), New York, died May 11 in that city. He was eighty-one years of age.

During the recent war he served as special adviser on petroleum products to the army's Quartermaster General. He saw overseas duty during World War I, ending his service with the fuel and lubricants division of the First Army.

In civilian life Col. McNary worked for several oil companies in this country and abroad before joining Standard Oil in 1924. He retired in 1934 but remained on a consulting basis. In 1948 he received a special citation from the American Petroleum Institute.

John H. Anderson, a mining engineer and metallurgist, died May 10 in Philadelphia. He was seventy-four years old.

James K. Boyd, veteran market news reporter and chief of the Department of Agriculture's fruit and vegetable news office in Pittsburgh, Pa., died in that city May 6. He was seventy years of age. He joined the agriculture department in 1917 after working as a fruit and vegetable salesman and operating his own produce firm for ten years.

Walter W. Bradley, retired mineralogist for the state of California, died April 11. He was associated with that state's division of Mines from 1912 to 1946, acting as its chief from 1928 to 1946. He was also an associate editor of the *Mining and Scientific Press.*

Richard C. Cooke, small business specialist for National Security Resources Board's office of production, died May 10 at his home in Newton, Mass. He was fifty-five years old.

Dr. Robert L. Harris, assistant professor of chemistry at Middlebury College, Middlebury, Vt., died at his home there May 9. He was thirty-three years old. Before joining the Middlebury faculty in 1946, he taught at Rensselaer Polytechnic Institute, Troy, N. Y.

William A. Johnston, former personnel manager for the Sherwin-Williams Company, Cleveland, Ohio, died in that city, May 10. He was seventy-six years of age. Mr. Johnston held the personnel post for twelve years before his retirement in 1935.

Francis O. Noble, a member of the law department of Union Carbide & Carbon Corporation, New York, died May 10 in that city. He was fifty-five years of age. Before joining Union Carbide, in 1937, he had been associated with various law firms.

Willard H. Roberts, pharmacist, died in Ithaca, N. Y., May 7. He was seventy-four years of age. A graduate of the Columbia University College of Pharmacy, class of 1897, he was a life member of the New York State and National Pharmaceutical Associations and a member of the National Association of Retail Druggists. He also had served on the state Board of Pharmacy.

Edward E. Stephens, manager of belting sales for the Goodyear Tire & Rubber Company, Akron, Ohio, died May 8 in that city. He was fifty-one years of age. Mr. Stephens was the designer of long-distance conveyor systems.

McK.&R. Reassigns Polanis

E. F. Polanis, formerly sales manager of the Chicago division of McKesson & Robbins, Inc., has been promoted to division manager at Denver, Col., where he will succeed Lyle Works. Mr. Polanis had previously been connected with McKesson's Denver division as salesman and sales manager.

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Packaging Machinery Makers Name Meeting Program Head

Edwin H. Schmitz, general sales manager for Standard-Knapp, Portland, Conn., has been appointed chairman of the program committee for the eighteenth annual meeting of the Packaging Machinery Manufacturers Institute, to be held at the Homestead, Hot Springs, Va., on September 23 to 26.

Alrose Appoints Kaye Midwest Representative

Ralph E. Kaye, jr., has joined Alrose Chemical Company, Providence, R. I., as midwest sales representative, with headquarters at the new Alrose office in Chicago, 629 West Washington boulevard. Formerly he was associated with the Atlas Powder Company, Wilmington, Del.

Amer. Development Elects

American Development Corporation, New York, recently elected Joseph H. Salmon, Dr. Charles W. Rippie and Peter J. Gaylor, president, vice-president and technical director, and secretary-treasurer, respectively. The corporation expects to develop and license new processes and equipment in the oil refining and chemical fields, one of which, the Gaylor process, it is already in a position to license. This process is a method for electrolytically regenerating spent caustic soda following its utilization in treating gasoline and other light hydrocarbon fractions.

Ciba Host to MIT Students

Ciba Pharmaceutical Products, Inc., Summit, N. J., played host for one week recently to five students from the Massachusetts Institute of Technology. The visit to the Ciba plant was a part of an industrial relations course conducted by the institute, which is built around a week's study of an industrial concern in operation. The students were thus able to get eye-witness confirmation of information acquired in such courses as sales, personnel, accounting, production and to observe how industry functions as a whole.

Drug Industry Receives

—Continued from page 3

tion, Dr. Eggleston touched on several of the problems that have come up since the last meeting in 1940 and the work in preparing U.S.P. XIV that went into effect last month. He mentioned the meetings of the World Health Organization and the suggestions for an International Pharmacopeia which he termed "disquieting." He recalled that the U.S.P. early adopted the standard suggested by the former League of Nations for potent tinctures but added that the needs and practices of medicine are different throughout the world and it seemed to him desirable that they be met by the pharmacopeia of each country.

Criticism of the USP as a working manual for both the professions of pharmacy and medicines were heard from Henry H. Gregg, president of the American Pharmaceutical Association, and from Dr. Cook in his address of retirement. Dr. Gregg said that the USP is no longer the working manual of the pharmacist because it fails to give the pharmacist the necessary information he should have on the therapeutic properties of drugs, the dosages, and so forth. He raised the question whether the USP has not lost its original purpose.

Cook Resolution Rejected

Dr. Cook criticized the USP along the same lines and thought that there should be a handbook, issued by the convention, which would be available to all physicians which would tell them all they should need to know as to dosages, therapeutic values, and other characteristics of all USP items. He later offered a resolution to this effect, but it was rejected as being impractical at this time.

Dr. Paul B. Dunbar, Commissioner of Food and Drugs, addressed the convention on "the Pharmacopoeia and the Public Interest." He stressed the weight of responsibility placed upon the convention, pointing out that it is the only private organization in the country that has been given the authority by congress to legislate by fixing standards for products, which standards become the basis for seizures by the government of private property which fails to conform to them.

The move to allow greater participation by industry in the affairs of the convention was opened at the first evening meeting of the convention by Dr. Klumpp. He pointed out that in the old days the USP and the NF were principally intended for the use and guidance of the retail pharmacists in their compounding of prescriptions. The development of the modern drug industry has changed this emphasis and the major influence of these compendia of standards is now upon interstate commerce in drugs. In the interest of "a stronger, better, more nearly perfect USP" he urged the convention to give the drug industry equitable representation on the committee of revision.

Aims of Revision Committee

He cautioned against the revision committee going too far afield in its aims to protect the citizens from evil. It should confine itself primarily to important matters and not to minutiae, he said, citing as an example of what he had in mind, the provision adopted by the last committee of revision limiting multiple dose containers of injectibles to ten average doses. He said it was unwise and overpaternalistic.

If a user, in this case a specially trained person, is so unskilled that he will contaminate a multiple dose vial, he will, in all probability, do so if the vial contains something less than ten doses, Dr. Klump said. On the other hand, there are many institutions where multiple dose vials of various injectibles containing more than ten doses represent a real convenience and an appreciable saving.

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Bristol Laboratories Gets Penicillin Patent

A patent has been issued to Bristol Laboratories, Inc., Syracuse, N. Y., covering the repository penicillin product, tradenamed Flo-Cillin "96," which consists of procaine penicillin in a base of peanut oil with 2 percent aluminum monostearate. The product was devised by Dr. Buckwalter and Dr. Dickison of the Bristol staff. Pioneer work in the eradication of yaws was done in 1948 by Bristol Laboratories in cooperation with the Haitian government. A pilot study in local sections of that country was conducted which produced valuable information for future mass eradication program.

Frederic N. Schwartz, Bristol president, discussing the granting of the patent, declared that it is undoubtedly the forerunner of the issuance of many others in the rapidly expanding antibiotics field.

Amer. Cyanamid to Hold Open House at Conn. Lab.

American Cyanamid Company, New York, will hold an open house for guests of the concern at the Stamford (Conn.) Research Laboratories on May 19 to acquaint them with both the facilities and research work the firm is conducting. New Haven Railroad trains leaving from Grand Central Station, New York, at 8:45 a. m. and 9:25 a. m. will be met at the Stamford station by company cars that will provide transportation to the laboratories. The laboratories are located at 1937 West Main street, about one mile west of Stamford.

Carbide Offers 'Tergitol' Booklet

A new, eight-page folder entitled "'Tergitol' Surface-Active Agents" is now available to manufacturers in the wet-processing industries from Carbide & Carbon Chemicals Division, Union Carbide & Carbon Corporation, New York. Properties, uses, and specifications of "Tergitol" wetting agents 7 and P-28 and of "Tergitol" penetrants 4, 08, and EH are given.

Copies of "'Tergitol' Surface-Active Agents" or of the "Tergitol" dispersant TMN-650 data sheet may be obtained by writing to the chemicals division at 30 East Forty-second street, New York 17. Ask for F-5900 and for F-7387, respectively.

Urdang Honored by Brazil

Professor George Urdang, faculty member of the University of Wisconsin School of Pharmacy, Madison, Wisc., and director of the American Institute of the History of Pharmacy, has been awarded honorary membership in two Brazilian societies. He was named corresponding member in the Brazilian Society or the History of Medicine, and honorary members of the National Academy of Pharmacy in Brazil.

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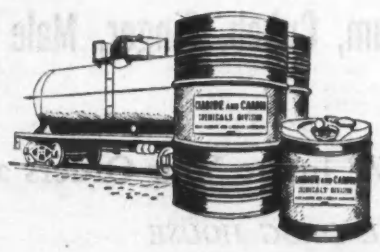

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Botanical Drugs, Spices, Gums

Demand in the botanical market continued to be thin and mainly for the smaller requirements of the moment. In drug items, strength was noted in ginger root and powdered kamala, while slight weakening came in belladonna leaves and black haw root bark. Among condimental items, French celery seed rose even as Indian seed declined. West Indian nutmegs were up, and offerings of shipment spice from the East Indies came to a stop. Clove was off slightly in a market basically strong at the source and on spot. Marjoram from Bohemia and France took an abrupt price tumble. Grains of paradise sought buyers 'hrough price concessions made in quarters without too much stock. Black pepper showed a rise on spot from the low of the week. Nigerian birdseye red peppers returned to spot supply. So did unbleached cochin ginger. The market index was 0.8 point lower at 191.0.

Further reports from the domestic collection markets showed that, while more reductions than advances had been made in buying prices this Spring, some fairly sharp differences existed in the prices different collectors were proposing to pay gatherers, pickers, and diggers. A study revealed that differences in such prices varied between 1c. per pound and $1. In but only one material was there a difference of $1 in posted prices, but there was a 30c. variation in another article, and a 10c. to 15c. difference in seven others. The majority of price variations ran between 1c. and 7c. per pound.

Communications from European points were not numerous last week. For the time being shippers on the Continent were not pressing goods for sale, possibly for the reason that only old crop merchandise was in hand and foreign buyers were disposed to await production of the new crop before giving serious consideration to the shipment proposals of shippers.

Another development of the past week was the starting of inventory taking. Most local dealers inventory stocks as of June 30 each year since the new collection season is getting well underway at that time and warehouse stocks are usually at their lowest. Some readjustments of prices may follow inventory revaluation.

Balsams

Copaiba—Some quarters intimated that they had a mild disposition to advance quotations on spot but others continued unchanged prices while reporting a firmer market.

Fir—Demand was routine but about even with recent volume of trade. The movement was more than enough to keep prices free from any tendency toward fluctuation.

Barks

Black Haw—Quotations on root bark were lower at 65c. to 75c. per pound, a reflection of some easing in the apparent collection cost.

Cinchona—During 1949, licenses for the export of this bark from the origin were issued in the amount of 1.47 tons produced on an estate on the island of Sumatra.

Shonny Haw—Some primary market collectors are offering less for root bark this year but the reduction in prices to the workers has not been substantial, extensive, or wide spread to this time.

White Pine—Further postings from the origin suggest that lumbering operations are very good this year in keeping with the need for more lumber. Hence, the supply of bark should be adequate for consumer requirements this year.

Beans

Vanilla—Demand was routine in character and reached the spot somewhat sporadically during the past week without bringing any easing of the prices in this market. Holders of the moderate quantities of unsold beans were faced with rather high and usually strong prices at primary market points and that condition of affairs was more than sufficient to keep undertones strong in the support of spot quotations. There was every reason to believe that consumer requirements over the Summer period would force an increase in buying, probably in the not distant future, according to the trade.

Berries

Hawthorn—More inquiry was reported in one quarter but others found but a minor interest being displayed by consumers. Pricewise, the market continued in better than fair stabilization.

Prickly Ash—Buying lists of many domestic primary market collectors do not include this article; apparently none expect a major requirement to develop during 1950 or early 1951.

Flowers

Calendula—Europe still held some stocks of the 1949 collection but at prices which few in this market were disposed to pay. The belief was that 1950 collection would come on the market at lower prices.

Clover—The carryover will be moderate this year and it has been reported that domestic collectors were willing to pay fairly attractive prices notwithstanding the fact that foreign goods may move into easier position if collection be substantial there.

Saffron—Jobbing business alone prevailed in Spanish flowers; the market was reasonably steady and in line with replacement costs. Demand for Mexican material was strictly jobbing, also.

Gums

Asafetida—The price at most origins was better than reasonably steady but dealers here had little reason to do replacement buying during the past week. Few wish to carry much into the Summer period when hot and humid weather has an adverse effect on stored goods. Local quotations continued in stabilization.

Benzoin—According to advices from Sumatra, licenses for the export of 71.80 tons were issued during 1949. Dealers will be disposed, during the next few months, to put their warehouse reserves into a condition protective of consumer requirements during the Winter of 1950-51.

Galbanum — Consumption has been moderate in size for a long time past, being sufficiently compressed to result in only a limited amount of buying being done at the origin. However, local quotations have not weakened under the absence of sustained buying consumers; they remained well stabilized last week.

Olibanum—The last prices paid at the origin made current quotations very steady and rarely subject to even occasional shading of prices under competition. Current demand was light last week

Market Trends

Prices Advanced

Drugs

Ginger root, African, spot, 2c. per lb.
shipment, 2c. per lb.
Jamaica, No. 1, 1c. per lb.
No. 2, 2c. per lb.
No. 3, 2c. per lb.
Nigerian, split, 1c. per lb.
Kamala, powdered, 9c. per lb.

Other Articles

Celery seed, French, ½c. per lb.
Nutmegs, West Indian, spot, 2c. per lb.
Pepper, red, Nigerian, birdseye, 5c. per lb.

Prices Reduced

Drugs

Belladonna leaves, 5c. per lb.
Black haw, root bark, 5c. per lb.

Other Articles

Cassia, China rolls, broken, ½c. per lb.
Celery seed, Indian, 1c. per lb.
Clove, Madagascar, ½c. per lb.
Zanzibar, spot, ¼c. per lb.
afloat, ½c. per lb.
Coriander seed, Argentine, ½c. per lb.
Moroccan, ¼c. per lb.
Grains of paradise, 3c. per lb.
Laurel leaves, Turkish, ½c. per lb.
Marjoram, Bohemian, 7c. per lb.
French, 5c. per lb.
Poppy seed, Polish, ½c. per lb.
Sage, Greek, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
191.0	191.9	191.9	193.6	182.2

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended May 5

New York

Capsicums, 85 bags: live insects.
Cassia, 715 bales: insect filth.
Chillies, 14 bags: live and dead insects.
Cod oil, 255 drums: decomposed.
Kola nuts, 65 bags: insect filth.
Mace, 173 cases: live and dead insects.
Nutmegs, 253 bags: moldy and wormy.
Pepper, black, 120 bags: moldy and insect bored.
Sage leaves, 28 bags: Greek sage substituted.
Savory leaves, 80 bags: filthy.
Senna, 400 bags: filthy.

For Late Market Developments, See Page 4

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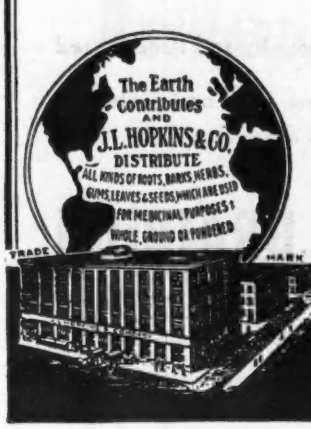

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and any gain in needs could be well supplied from fair-sized spot stocks.

Tragacanth—Demand was routine, exactly as it had been for many weeks. Movement was fairly steady but quantities taken were rarely substantial in size last week. The spot market was more than reasonably competitive and numerous quarters had a disposition to shade quotations. However, a genuine No. 1 ribbon gum held a better than fairly steady price position.

Herbs and Leaves

Belladonna—More competition developed locally and the market minimum was reported lower at 60c. per pound according to seller and quality. New crop influences in Europe should be developing in the not distant future, although harvest is some months off.

Laurel—Turkish material was lowered to 11c. to 11½c. per pound but other varieties lacked quotable change in a not especially active market.

Marjoram — Spot prices slumped. Bohemian material became 40c. to 40½c. per pound and French was down to 50c. to 50½c. Chilean and Argentine items remained unchanged but were in nominal position. The changes in spot prices were the result of a gain in competition.

Sage—Greek goods eased back to the basis of 24c. to 25c. per pound. Dalmatian was in extremely low supply; some said there was but a single spot lot unsold at present. Spanish and Cyprian leaves were unchanged.

Miscellaneous

Ergot—The market remained strong but inert. Little buying of spot goods took place and, according to report, none was done at the origins where prices were far higher than the views of local importers. All interested parties were awaiting new crop indications before placing contracts abroad.

Grains of Paradise—The market was down to 62c. to 65c. per pound. Not a great deal of material was in hand at the 62c. level but some better than fair sized stocks could be bought at 65c. For the time being, a very fair degree of market activity prevailed. The item is subject to substantial swings in buyers' takings.

Kamala—Stocks have shrunken because little replacement material has been reaching this country for some time past. Local quotations were higher at 54c. to 59c. per pound in keeping with the dwindling supply and the recession of competition.

Roots

Angelica—Buying prices in the domestic primary market were separated by as much as 15c. per pound, showing a substantial difference in collectors views at this time.

Black Cohosh—A rather wide spread in primary market buying prices prevails as collection gets underway; differences in such prices range as much as 4c. On the whole, collectors offer workers less money this Spring than last but the top price offered now is actually 100 percent over the minimum of posted prices.

Ginseng—Some rather odd prices have been quoted on spot but sellers said that no wild root could be had at anything near $6 per pound as mentioned in the market. Country collectors offer more than $6 to the diggers.

Hellebore — Primary market buying prices on domestic root were not very far apart last week; collectors' views were separated by only 5c. per pound and, compared with what normally is paid for the root, current quotations should induce diggers to activity.

Lady Slipper—Some country collectors offer somewhat higher prices to diggers than others have proposed but such prices are separated by about 10c. per pound as the season begins.

Mandrake—Country collectors have yet to raise the prices at which they began offering diggers at the origin. Posted prices varied by as much as 3c. per pound, but there were more naming the minimum of prices than there were those proposing a 3c. advance over such minimum views.

Turmeric—No changes came in spot prices. However, some Madras root now afloat to the spot was offered to 15c. to 15½c. per pound, as compared with goods actually on spot at 16½c. to 17c.

Seeds

Anise—All spot prices on all varieties were unchanged, but some Mexican seed now afloat was offered at 15c. to 15½c. per pound. Demand was limited to small lots of whatever sort of seed.

Celery—Local quotations eased downward slightly when competition pressed more actively. French seed was quoted at 28½c. to 29c. per pound late last week, and the seed of India was 24c. to 24½c. for spot goods. Shipment from India was at the same level.

Coriander—Argentine seed developed a downward movement under competition and ended last week at 7c. to 7½c. per pound. Also, seed from Morocco was shaded to the basis of 10½c. to 11c.

Fennel—Offerings and prices on Argentine seed disappeared, locally. This left stocks from Czechoslovakia, France and India to meet the currently not especially active consumer needs.

Mustard—So far as reported locally, practically no interest in American seed existed in foreign parts where, in the past, considerable buying of the growing crop was done under contract for delivery after harvest. Prices at the domestic origin remained very steady. Some yellow seed from the Argentine was quoted spot on the basis of 9½c. per pound.

Poppy—Polish seed yielded further ground when the spot price was reduced to 14½c. to 15c. per pound under competition. Dutch and Czech seed remained free from quotable change.

Spices

Cassia—Shortstick Batavia cassia was priced at 16c. to 16½c. per pound. Broken

—*Continued on page 65*

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Essential Oils, Other Aromatics

With market conditions for essential oils and aromatic chemicals continuing stable, last week brought an advance in seven oils and a drop in the prices of five others. These moves caused a rise of 0.3 point in the index bringing it up to 126.0.

Adequate quantities of domestic orange oil have made possible a drop in some California oils as well as material from Florida. This was accompanied, however, by a rise in the West Indian material. With developments uncertain at the source, cassia oil remained strong on the local scene. The same conditions prevailed for eucalyptus oil, and Bourbon geranium oil. Cananga oil, which remains exceedingly scarce, was able to command a markedly higher price. Paradoxically, both patchouli and imported pennyroyal oils, which continue to be tight, showed a sharp decline in some quarters but held steady in others.

The unseasonably cool weather of the past few weeks has proved a deterrent in the movement of flavoring materials for the soft drinks industry. Suppliers showed little concern, however, indicating that the temperature rise of the last week will probably bring the situation back to normal. Sun-tan oil material needs also were expected to move up with the approaching summer. A sun oil spraying machine installed at some beaches last year apparently proved successful and has caused optimism for the coming season.

Requests for anethol and anisic aldehyde dropped off to a great extent and the supply conditions were almost the reverse of those of several months ago. The passing of the season of the common cold has left the makers of pharmaceutical drugs with small interest in antihistaminics for the present. Prices contined to hold fast.

Perfumers and soap manufacturers were taking large amounts of raw materials with no apparent signs of slackening, making for a favorable view of business in the near future.

Market Trends

Prices Advanced

Cananga oil, 35c. per lb.
Cassia oil, 5c. per lb.
Cumin oil, 15c. per lb.
Eucalyptus oil, 80-90%, 5c. per lb.
70-80%, 5c. per lb.
Fir oil, Canada, 10c. per lb.
Lavender oil, Spanish, spike, 10c. per lb.
Orange oil, West Indian, 5c. per lb.

Prices Reduced

Bois de rose oil, 5c. per lb.
Dillweed oil, 5c. per lb.
Orange oil, California, 5c. per lb.
Florida, 2c. per lb.
Patchouli oil, 50c. per lb.
Pennyroyal oil, imported, 25c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
126.0	125.7	127.3	102.8	102.5

(For Current Prices see Page 9)

Essential Oils

Anise—Prices remained firm, ranging between 95c. and $1.10. The market continued steady, showing no more than usual demand. Supply here seemed to be good, with import prices strengthening. It was said that stocks held in Chinese ports, while fairly large, were in strong hands.

Bergamot—The general range of prices of the natural oil continued the same as in past weeks. However, there was a slight tightening of the better grades with the possibility of a rise to come in the near future. The top price was lowered sharply on the artificial oil which is now available at from $2 to $3.25 per pound.

Bois de Rose—With a fairly good supply and a steady market, prices remained generally between $3.50 and $3.75 per pound, with one supplier offering a price as low as $3.45.

Cananga—A sharp rise of 35c. to 45c. per pound was reported last week with the range now $4.50 to $4.60. Reports were that shipment prices are moving up. The domestic market was exceedingly tight.

Cardamom—Selling mainly at $50 per pound, with several dealers asking for prices up to $65. Supply conditions last week were fair. There was the regular demand for small lots from the flavor industry.

Cassia—The market held firm with a fair supply coming in. The price averaged about $2.50 per pound, ranging from $2.30 reported by one dealer up to a high of $2.85 quoted by another.

Citronella—The Ceylon oil was steadily available within the range of $1.10 to $1.35 per pound, with very little to be had below $1.20 per pound.

Cumin—The range of prices widened noticeably while also showing an increase of 15c. per pound. The minimum quoted last week was $3.92 and one dealer indicated a price of $7. The demand by flavoring and meat-packing industries for this item in small quantities has been steady.

Dillweed—A drop of 5c. per pound was registered last week, thus showing a minimum offer of $5.95 by one dealer. There was no change in the top price which stands at $7.10.

Eucalyptus—While there appears to be an abundance of the material, Australian distillers reported difficulty in getting the leaves. This has caused rumors that the price may go higher. There has already been an increase of 5c. per pound at the low end but a considerable narrowing of the range. This left the prices for 70-75 percent grade at 60c. to 70c. per pound and 80-85 percent grade at 72c. to 95c. There continued to be a good market for the material.

Fennel—Last week showed a decline of 5c. per pound, bringing the low price offered by one firm down to $2.45 but still varying up to $3.25 throughout the market.

Fir—An apparent scarcity of the Canadian oil and no slackening in the demand have reflected in the price, which rose to $2.10 per pound last week.

Geranium—Demand continued to be very strong with stocks harder to get. There was a feeling that prices at the source are rising. Algerian oil has been almost impossible to obtain. Bourbon oil, which last week showed a slight drop, was moved up again by one dealer who was asking $18.50 a pound.

Juniper Berry—The market price remained at $3 to $3.10 per pound.

Juniper Tar—Reports have been received of a sharp rise in replacement costs. This has not as yet affected the current asking price. It was said that there may be an upward trend in the next few weeks.

Lavender—The situation eased considerably with a good demand and a sufficient supply to meet it. Suppliers were inclined, for the most part, to ask prices in the upper end of the range, which was $1.15 to $1.25 per pound.

Lemon—Prices remained firm with market conditions steady. The Italian oil still sold up to $5.25 a pound for the best quality, but there was a great deal of lower grade oil going for much less. Domestic prices were unchanged.

Lignaloe—Supplies of wood oil have been small for quite a while and there has been difficulty in filling the not too large needs. Several dealers have temporarily discontinued handling the item.

Lime—Conditions remained firm, with asking prices ranging generally between $6.25 and $6.75. Replacement costs of West Indian oil have risen but have not yet effected a change in the domestic market.

Ocotea Cymbarum—A slow demand for this material, added to the fact that camphor stocks were freely available, kept the quotations in a stable condition last week.

Orange—Prices of domestic sweet oils dropped a few cents last week, bringing California oil down to a low of 55c. with a range to $1 according to brand, and the Florida variety as low as 40c. per pound ranging to $1. The balance of the requirements and stocks was maintained on an even basis. In some quarters buyers were waiting for the warmer weather before making any large purchases. The Brazilian oil did not seem to be readily available but held at the previous week's rate. West Indian oil moved up 5c., bringing the minimum price up to $2. Some bitter oil was reported to be selling as high as $3.15 a pound.

Patchouli—Stocks at the source were reported to be abundant. On spot, however, supplies just about filled the requirements of the perfumers at prices from $21.50 to $25.50 per pound. The majority of the dealers were asking $22.

Pennyroyal—Conflicting reports seemed to indicate an unsettled condition in the market of this item with some dealers claiming that supply was rather tight while one firm had word of a lowering of the replacement price. At any rate, the ultimate manifestation was a rather sharp decline in the market price to a range of $4.35 to $4.75, a drop of 25c per pound since the previous week.

Peppermint—With the current demand

For Late Market Developments, See Page 4

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not too strong, dealers are holding on to their goods while awaiting reports on the new crop. The carry-over from last year's crop was small and the possibility that the late frost this spring may have been detrimental to the new planting point to the maintenance of the prices now being asked. While the price range remained unchanged, the tendency was toward asking $6.50 per pound for the natural oil, about $6.80 for the redistilled oil up to $7.15 for triple distilled.

Pimento — While no change has been indicated in the range of $3.85 to $5.75 per pound, at which the berry oil is being marketed, the tendency has been toward higher prices, with little to be had for less than $5.25.

Rosemary — A quiet market left the price unchanged, with most suppliers asking somewhere within the range of 75c. to $1.50 for Spanish material and 95c. to $1.60 for USP grade.

Vetiver—No relief was apparent in the supply conditions of Bourbon oil. Effects of the hurricane and the fact that stocks were being held in strong hands at the source have maintained the prices at $12.50 to $14.75 per pound. For the most part, it was being offered at about $13.50. Other varieties of the oil were not in evidence on the market.

Wormseed—Contrary to indications of the past few weeks that there might be a decline, prices held at $4.25 per pound or more with no promise of change.

Ylang-Ylang — Conditions of supply remained tight while demand was reported good. A number of dealers have reported discontinuing sale of the material until such a time as the situation eases up.

Aromatic Chemicals

Anethol—Balance was maintained in the market with a slight slackening in the call from pharmaceutical manufacturers. The price was unmoved at $1 to $1.25 per pound.

Anisic Aldehyde—Business dropped off considerably in recent weeks. This was due partly to the seasonal loss of consumer interest. The material is now readily available in large quantities and the price last week continued stable.

Eugenol — With clove oil maintaining strength, dealers were able to ask higher prices for this item. While the low price remained unchanged. one supplier was asking $2.95 per pound last week.

Ionones — In keeping with the strong market conditions, prices were held high. The alpha was sold for as much as $13.65 and beta reached $10.25 per pound.

Linalyl Acetate—Conditions continued good with consumer interest steady. The 90-92 percent material held at $5.50 to $5.55 per pound, while the 96-98 percent variety yielded $6.35 to $6.50 to dealers.

MRM Introduces Liquid Filler

MRM Company, Brooklyn, N. Y., has introduced a new series of gravity liquid fillers equipped with ten-foot conveyors. Four models, ranging from six to twelve spouts, fill containers from fractional ounces to two gallons. The conveyors are said to be suited for filling wines, foaming materials such as shampoos or similar viscous fluids.

Coca-Cola Co. Elects C.L. Talley Vice-Pres.

Coca-Cola Company, Wilmington, Del., at its recent annual meeting elected C. L. Talley, former vice-president of the Coca-Cola Export Corporation, to the post of vice-president of the parent company. Mr. Talley, who has been with the Coca-Cola organization for twenty-six years, will head the firm's manufacturing operations, succeeding John C. Staton, who, while continuing as vice-president, will serve as assistant to the president.

Zuckerman Gets PhD

Sam Zuckerman, assistant research director of H. Kohnstamm & Co., New York, has been awarded a doctor's degree in chemistry from Polytechnic Institute of Brooklyn. Dr. Zuckerman, a Kohnstamm employee for the past fourteen years, conducts the firm's research and manufacture of certified colors and flavors for the food and cosmetic industries.

Givaudan Holds Sales Meeting

Givaudan-Delawanna, Inc., New York, held its annual sales meeting recently in Asbury Park, N. J. Under discussion at the four-day session was a review of the present status of the perfume and cosmetic industries in this country and the role of Givaudan in that development.

Marin Up for Legion of Honor

Paul Marin, director of Charabot & Co., Grasse, France, has been nominated to the grade of Chevalier of the Legion of Honor. Mr. Marin a lieutenant in World War I and a captain in World War II, is already the holder of two Croix de Guerres with citations.

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Magnus, Mabee & Reynard, Inc., New ork, has appointed Imperial Chemical ndustries, Ltd., to represent the firm in ndia, Pakistan and Burma. In India the epresentation will be by Imperial Chemi- al Industries (India), Ltd., with offices in alcutta, Bombay, Madras, Delhi, and in akistan and Burma, Imperial Chemical ndustries (Export), Ltd., with offices in arachi and Rangoon.

urenjy & Co. Formed to Sell Gums

K. Eurenjy, formerly with W. M. Alli- n & Co., New York, has established his vn company, Eurenjy & Co., at 220 Broad- ay, New York. Mr. Eurenjy, who prior his Allison connection was in business r himself for thirty years, will handle m tragacanth and other water soluble ms. The telephone number is WOrth 2818-9.

arwick Adds Brandt to Staff

Warwick Chemical Company, a division the Sun Chemical Corporation, Long land City, N. Y., has added Alfred Brandt to the concern's sales staff. Mr. Brandt will serve as technical representative for Warwick in the Caribbean area, covering Central America, Mexico, Colombia and Venezuela.

Winthrop-Stearns Tests Dyson Notation System

Industry reaction to the recently devised Dyson notation and enumeration system for organic compounds is being tested through the medium of a series of trade paper advertisements by the special chemicals division of Winthrop-Stearns, Inc., New York. The system, formulated by Dr. G. Malcomb Dyson, technical director of British Chemicals & Biologicals, Ltd., is laimed as a great step in clarifying the increasing complexity of chemical nomenclature, particularly in classification and indexing.

Du Pont Moves Chicago Petroleum Chemical Office

The Chicago district office of the petroleum chemicals division of E. I. du Pont de Nemours & Co. has moved to new offices in the Willoughby Tower, 8 South Michigan boulevard. Telephone numbers are RAndolph 6-8630 and ANdover 3-7000.

Botanical Drugs

—Continued from page 62

select Canton or Kwangsi rolls were shaded to 10½c. to 11c. Saigon, Honan, and Yunnan rolls held unchanged. No variety of cassia was in more than moderate request.

Clove—Spot prices yielded moderately but the market at all points was one of basic strength, if all recent advices from the origin be considered. Madagscar spice on spot was reduced to the basis of 24c. to 24½c. per pound. Spot Zanzibar spice became 25c. to 25½c. and goods afloat were down to 24½c. to 25c.

Ginger—The strengthening of primary markets and spot prices continued. Locally, quotations underwent moderate advance when reflecting the gain of strength at the origins. African root on spot rose to 39c. to 41c. per pound and March-May futures were up to 38c. to 39c. A trifle of unbleached Cochin root came into the market at 53c. to 53½c. after some weeks of absence. Jamaican No. 1 on spot became lowest at 51c. to 52c. per pound; No. 2, 50c. to 50½c.; No. 3, 48c. to 48½c.; Rhattoon, not offered spot nor, so far as acertainable, for shipment. Finally split root from Nigeria became 32c. to 33c.

Nutmegs—West Indian spice on spot spurted to 34c. to 35c. per pound. No offerings were made of East Indian spice for shipment from the origin. Spot quotations were firmer to stronger, though they also lacked quotable change during the period reviewed.

Pepper—Though subject to a rather minor variety of trading, black pepper did recover to $1.42 per pound after having been offered as low as $1.40 without stimulating activity beyond the boundary of spot dealers and importers. The entire tendency was to fluctuate within narrow limits last week. Major importers took the slack buying for distribution to consumers in their stride, being convinced that values will be maindain at least until such time as production in large volume returns in Indonesia. The supply of Mississippi sports went into consumption at 45c. per pound, and another red pepper, Nigerian birdseyes, was again offered firm at an advauce to 70c. to 70½c.

Prices on black pepper last Friday were:—Spot, $1.41 per pound; afloat, $1.41; shipment, $1.41.

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Advances in both lead and zinc metals during the week brought with them rises in the pigments that boosted the weekly price index 1.8 point to establish a new mark of 172.5.

Imported casein was down and so was bleached shellac. Raw and burnt umber, burnt sienna and metallic brown, as announced previously, were due to rise in price today. Upward adjustments, by varying amounts, were made by one producer of soybean oil modified alkyd resins.

Although shellac dropped, it was said late in the week that the market seemed to be showing a stiffening tendency. Demand in India became suddenly strong and there were some delays in transportation of the product in that country. Casein was not moving in great quantities. Reports still recurred of French material available for June shipment at attractive prices and there were further reports of material offered by Norway, Denmark and Canada.

Fillers and extenders were pretty much unchanged. Demand was reasonably good and supplies were ample. Natural resins prices were holding and the reports were that conditions at the source were improving. Shipping conditions in the far east had become better and the markets were reported to have settled down. Offerings were being made more freely now.

Demand, on the whole, was running better for many items now that the warm weather was here and spring consumer demand for protective coatings had become stronger. In general, the supply was satisfactory.

Prime Pigments

Aluminum Paste, Powder—Shipments of aluminum powder, flake and paste, as reported by eight companies, amounted to 1,169,000 pounds during March, as compared to 1,235,000 pounds during February. During March a year ago the total was somewhat lower at 1,145,000 pounds. In the January through March period of this year, shipments amounted to 3,561,000 pounds, as compared to 3,553,000 pounds during the comparable period a year ago.

Copper Oxide—Demand continued to be noted at good levels during the past week and the supply was just about able to keep up with it, but was not strong enough to make it possible to create any backlogs. The black was being quoted at 26⅞c. to 33⅞c., while the red was going at 28c. to 34c.

Lead Pigments—Two rises in the price of lead metal during the past week brought with them advances in the listings of the pigments. By week's end the market had settled at the following levels: —Blue lead, basic sulphate, 13¼c. in carloads and 14¼c. in less than carloads; red lead, 95 percent, 14¾c. in carloads, and 15¾c. in less than carloads, 97 percent, 15c. in carloads and 16c. in less than carloads, 98 percent, 15¼c. in carloads and 16¼c. in less than carloads; basic carbonate white lead, 14¾c. in carloads, and 15¾c. in less than carloads; basic silicate white lead, 13¾c. to 16¼c. in carloads, and 14¾c. to 17¼c. in less than carloads; basic sulphate white lead, 13¼c. in carloads and 14¼c. in less than carloads; litharge, 13¾c. in carloads and 14¾c. in less than carloads; mineral orange, .1810c. in less than carloads.

Zinc Pigments—A strengthening market in the metal during the last several weeks was responsible for increases in the listings of the pigments during the past trading period. The lead-free and 5% leaded grades were up ¾c. and the 35% and 50% leaded were advanced ⅝c. An exception to these listings came from one producer who announced that it was putting its prices ½c. higher than those of other producers on the domestic acicular and the American process, lead free. This established a range for these two grades. There was no range for the others.

Market Trends

Prices Advanced

Lead, blue, basic sulphate, ¼c. per lb.
red, 95%, 97%, 98%, ¼c. per lb.
white, basic carbonate, ½c. per lb.
basic silicate, ¼c. per lb.
basic sulphate, ¼c. per lb.
Litharge, ¼c. per lb.
Orange mineral, ¼c. per lb.
Zinc oxide, lead-free, ¾c. per lb.
5% leaded, ¾c. per lb.
35%, 50% leaded, ⅝c. per lb.

Prices Reduced

Casein, imported, acid-precip., ¼c. per lb.
Rosin, Gum, New York, B, D, E, F, G, H, I, K, M, N, 5c. per lb.
WG, 25c. per lb.
WW, X, 35c. per lb.
Savannah, F, G, H, I, 10c. per lb.
M, 14c. per lb.
N, 4c. per lb.
WG, 7c. per lb.
WW, X, 33c. per lb.
Shellac, bleached, bonedry, 1c. per lb.
refined, 1c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
172.5	170.7	170.1	196.4	212.3

(*For Current Prices see Page 9*)

Fillers and Extenders

Calcium Carbonate—Prices were unchanged during the period under review. The demand was running at levels that were generally characterized as normal, while the supply was sufficient to accommodate the needs of the market.

Magnesium Silicate—The demand was still being noted at average levels that were generally thought of as fairly good Supply was high enough to make obtaining the item no particular problem. There were no changes reported in the price range and there were no indications that there would be any in the immediate days ahead.

Slate Flour—There were no changes reported in the price listings during the past week, and there were no indications that there were any in prospect for the immediate future. Demand was still holding up at fairly good levels and there was sufficient of the item available to satisfy it.

Synthetic Resins

Alkyd Resins—One producer last week advanced the price of drying oil modified alkyd resins by varying amounts depending upon the resin. This upward price adjustment was a reflection of the stronger drying oil market, particularly soybean oil, which has been steadily advancing.

The increased oil costs have for a long time been absorbed by manufacturers, but the oil market had by last week advanced to the point where it considerably exceeded any offsetting influence of the recent price reduction in phthalic anhydride.

Demand for oil modified glyceryl phthalate resins was reported as holding up well, and the large volume demand was being promptly met by abundant supplies from ample stocks.

Natural Resins

Exports of copal gum from the Belgian Congo in 1949 decreased substantially in value from those of 1948, according to recent United States government reports. Totals were 92,000,000 Congo francs and 127,000,000 Congo francs, respectively. Exports of this material to the United States

Paint, Varnish, Lacquer Sales: March

The value of sales of paint, varnish, lacquer and fillers in March, 1950, as reported in 680 establishments to the Bureau of Census, was $87,523,439. These establishments accounted for approximately 90 percent of the total value of the output of the industry as reported in the Census of Manufacturers for 1939. Included are data on sales of water-thinned paints and nitrocellulose lacquers, which formerly were published separately but have since been discontinued. Details of sales reported with comparative data for 1949 follow:—

	Total sales reported by 680 establishments	Classified sales reported by 580 establishments—Trade-sales of paint, varnish, and lacquer	Industrial sales—Total	Industrial sales—Paint and varnish	Industrial sales—Lacquer	Unclassified sales reported by 100 establishments
1950—March	$87,523,439	$46,891,314	$32,363,405	$23,542,016	$8,721,389	$8,268,720
Total, *3 months	234,332,903	125,589,408	87,092,641	63,648,762	23,443,879	21,650,854
1949—March	83,937,382	45,583,190	30,167,754	22,911,873	7,255,881	8,186,438
Total, 3 months	231,000,251	125,311,374	84,262,907	64,035,810	20,227,097	21,516,550

* Estimated.

For Late Market Developments, See Page 4

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CHICAGO — Philip E. Cale Co.
CINCINNATI — Denks & Sprinkel
CLEVELAND — Norman G. Schabel Co.
DETROIT — D. H. Osgood Co.
GEORGIA — Denks & Sprinkel Co.
HOUSTON — Jos Coulson Co.
KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — E. B. Taylor Co.
LOUISVILLE — Denks, Sprinkel & Miller, Inc.
MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
NEW ORLEANS — Russell Chemical Co.
PHILADELPHIA — Loos & Dilworth, Inc.
PITTSBURGH — B. Ostroff
PORTLAND, ORE. — Miller & Zehrung Chemical Co.
ST. LOUIS — Harry G. Knapp
SAN FRANCISCO — E. M. Wells
SEATTLE — Carl F. Miller & Co.
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FERRO CHEMICAL CORPORATION BEDFORD, OHIO

in 1949 totaled 1,436 metric tons, valued at 12,791,000 francs. (One Congo franc equals $0.024 in United States currency.)

Prices of gums were at unchanged levels during the period under review and it appeared that a note of steadiness had come into the market in the recent past. It was pointed out that general conditions at the source had improved, and this was naturally having its effect on producing a better tone in the market in this country. The market in Indonesia was settling down and since the lifting of the embargo on April 28, cargoes were being loaded at Macassar and other ports. Offerings were also being made more freely now. During the confused period, material was being held at the ports and exporters did not quite know what to do with it.

One source, with its ear close to the market, said during the week that it doubted that prices in this country would go much lower. For one thing, business was said to be going along at somewhat better levels, and added to that was the fact that with new currency evaluations abroad there seemed little likelihood of listings coming down at this time. The market abroad was said to be showing a firm tone. It was said that there were some signs of a swing back to natural resins and this was called a normal thing now that the supply was free. During the war and the period of re-adjustment that followed, users were forced to use synthetic materials, but now with the natural available freely again, those who preferred them were back in the market.

Shellac—A reduction of 1c. per pound was noted for bleached, bonedry, as well as refined last week but the other grades were unchanged. The market here and abroad was in a rather uncertain position. There had been reports that devaluation and a large crop this year were due to force prices lower. But, after dropping during the week, it seemed that a stiffening tendency had crept in. Demand in India was reported to be bigger than supply and it was said that goods were slow in arriving from the hinterlands. Some thought that the market in this country might go lower; others thought that it would not.

Lacquer Materials

Dibutyl Phthalate—Prices during the week were holding at the levels that had been established previously and there were no concrete indications of any revisions coming in the immediate future. The listing for carloads was 29c. and for less carloads 30c., but the material could be bought between those figures, at 29½c., if purchased in lots of ten drums. Demand was reported to be holding up to good levels and the supply was sufficiently high to meet the normal demands of the market.

Miscellaneous Materials

Casein—Imported material dropped ¼c. last week to establish a new range of 20½c. to 20¾c. There was very little change reported in the market for the Argentine material. Supplies in that country were not great as a result of the drought and the strikes that had affected the dairy industry. Added to that, Argentina was now coming into its winter season and that would naturally mean that there would be a smaller production. Demand for Argentine goods was not great and buyers were beginning to look to Europe for supplies. It was reported last week that French material for June shipment could be bought as low as 20¼c. Although cold weather had hampered French production, the estimates were that that country wou'd have large amounts of casein ready for export before long. Domestic production was not high this year, partly because of the cold weather. Some thought it would be somewhat higher than last year's but there were others who felt that, if anything, it would be lower. Demand was steady and running at about average levels, but was not high. Interest was being claimed by goods said to be available in France as well as in Denmark, Norway and Canada.

Output of dry casein in March was estimated at 1,850,000 pounds a decline of 12 percent from a year earlier, but a gain of 26 percent over the five-year average for the month, according to the Department of Agriculture. The seasonal gain from February to March this year was somewhat sharper than a year earlier, or than usual. During the first three months of 1950 output totaled 4,600,000 pounds. This was a decline of 4 percent from the comparable period of 1949, but a gain of 22 percent from the average of 1944-'48.

Manufacturers' stocks gained somewhat more than usual during March. At the end of the month they were only slightly higher than the all-time low mark for the date established in 1948. At 1,760,000 pounds, on March 31, stocks were 25 percent below a year earlier and 37 percent under the March 31 five-year average, and the second lowest on record for the date. On the corresponding date in past years, holdings ranged from 1,645,000 in 1948 to 9,701,000 pounds in 1942.

Copper Materials — Despite recent strength in the metal, prices were still holding on naphthenate, oleate, resinate and stearate. Demand was at good levels and supply was ample to accommodate it.

Glue—Production of hide glue during the month of March amounted to 5,485,383 pounds, which was considerably higher than the February total of 4,962,306 pounds, and slightly better than the 5,323,671 pounds figure for January. Shipments during March came to 5,305,406 pounds, while during February they were 4,849,042 pounds. In January they amounted to 5,244,798 pounds. Stocks at the end of March were reported to be 12,256,747 pounds, as compared to 12,076,770 pounds during February. At the end of January the stocks were 11,963,506 pounds.

Naval Stores

Mexican rosin is expected to offer considerable competition to the United States product in the Colombian market, according to reports from Bogota received by

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Photomicrograph of Basic Silicate White Lead 45 X particles showing concentration of reactive white lead compound on surface.

Photomicrograph of characteristic lead soap formation produced with Basic Silicate White Lead 45 X, showing the effective action of the particle.

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NATIONAL LEAD COMPANY

New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Philadelphia 25; Pittsburgh 22; St. Louis 1; San Francisco 10; Boston 6; (National Lead Co. of Mass.).

United States government sources. The price quoted is said to be about 20 percent lower than that of the United States. Mexican exporters, furthermore, are now able to ship in steel drums.

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended May 5 averaged $18.80 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with $18.96 for the previous week.

The twenty-two reporting plants received 27,630 barrels, or an average of 1,256 barrels per plant, as compared with 991 barrels for these same plants during the week previous. The average contents per barrel were 11.37 gallons of turpentine and 298.6 pounds of rosin. The gum was graded 42 percent WW, 20 percent WG, 14 percent N, 12 percent M, and 12 percent K and below.

The record of the gum naval stores markets during the week ended May 12 was as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.l., l.c.l., f.o.b. ex N. Y. whse.	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
B	$5.10	$5.10	$5.10	$5.10	$5.10	$6.35	$7.12
D	5.10	5.10	5.10	5.10	5.10	6.35	7.12
E	5.10	5.10	5.10	5.10	5.10	6.35	7.12
F	5.25	5.20	5.20	5.20	5.20	6.35	7.12
G	5.25	5.20	5.20	5.20	5.20	6.35	7.12
H	5.25	5.20	5.20	5.20	5.20	6.35	7.12
I	5.25	5.20	5.20	5.20	5.20	6.35	7.12
K	5.30	5.20	5.25	5.20	5.20	6.35	7.12
M	5.31	5.25	5.25	5.25	5.25	6.35	7.12
N	5.31	5.30	5.30	5.35	5.35	6.35	7.12
WG	5.41	5.42	5.42	5.42	5.42	6.50	7.25
WW	5.88	5.75	5.65	5.55	5.55	6.75	7.50
X	5.88	5.75	5.65	5.55	5.55	6.75	7.50
	Drums						
Sales	20	275	178	178			
Receipts	251	1,680	234	209	396		
Shipments							
Stocks	25,472	27,152	27,386	27,595	28,164		

Gum Turpentine

	Drums						
	Savannah Exchange Bulk					New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.)	
	Mon.	Tues.	Wed.	Thurs.	Fri.	Friday	
Per gal.	.40	.40	.40	.40	.40	.49	.57
Sales, bbls.	...	...	...	...	...		
Receipts, bbls.	1,019	439	283	283	930		
Shipments, bbls.	184	238	73	49	116		
Stocks, bbls.	7,683	7,884	8,094	8,328	9,142		

White Metal Names Plant Mgr.

White Metal Manufacturing Company, Hoboken, N. J., has appointed Charles Stiassni plant manager. Prior to joining White Metal he was assistant manager of industrial relations for National Lead Company, New York. He was associated with American Machine & Foundry Company, New York, from 1942 to 1944.

DuPont Offers Color Booklet

E. I. du Pont de Nemours & Co., Wilmington, Del., has published a thirty-two page illustrated booklet, entitled, "Du Pont Color Conditioning." The brochure, which describes the concern's scientific painting plan employing the functional use of color, is available upon request from the company, department P. R. 2, finishes division, Wilmington.

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Iodine Number		200-220
PANAREZ 6-210		180 min.
Color Barrett		
Softening Point	F	3
Iodine Number		200-220
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N. Y. Paint Technicians Schedule Outing June 3

The New York Paint and Varnish Production Club will hold an outing at the Jumping Brook Golf and Country Club, Neptune, N. J., on Saturday, June 3. The sports program includes golf, soft ball, badminton tennis, table tennis, horseshoe tournament, card games and darts.

Witco Opens Houston Office

Witco Chemical Company, New York, has established an office in the M&M building, Houston, Tex. Allen Craig, with the concern since 1946, has been put in charge of the new office. Prior to the war, during which he saw service with the navy, Mr. Craig was connected with Glidden Company, Chicago.

R-B-H Assigns Rost

R-B-H Dispersions Divison of Interchemical Corporation, Bound Brook, N. J., has appointed Walter W. Rost sales representative in the metropolitan New York area. He was formerly superintendent of the Valentine & Co. plant at South Kearny, N. J.

New York Paint Club Inducts New Officers

New York Paint, Varnish and Lacquer Association elected a new slate of officers at its meeting last week. Harry C. Soffer, of Cheesman-Eliot Company, Brooklyn, N. Y., was named sixty-third president of the organization.

Harry C. Soffer

Elected with Mr. Soffer were M. H. Corbin, Standard Varnish Works, Staten Island, N. Y., as vice-president; C. Ernest Seghers, jr., of the Brooklyn office of Pittsburgh Plate Glass Company, as secretary, and Hendrick E. Hendrickson, S. Winterbourne & Co., New York, as treasurer. Delegates and alternates to the San Francisco national convention were also chosen.

Mr. Soffer has been a member of the paint and varnish industry for about twenty years, serving in 1935 and 1936 as regional vice-president of the National Paint, Varnish and Lacquer Association. He was secretary of the New York group in 1944, and chairman of its industrial maintenance sales group in 1947. He also serves on several national association committees at the present time. In addition to his Cheesman-Eliot connection, of which he has been chairman of the board since 1946, he also is president of 4-Square Paint Corporation.

Phila. Paint Technicians Schedule May 17 Meeting

Philadelphia Paint and Varnish Production Club will hold its next meeting on May 17 at 6:30 p.m. at the Engineers Club in that city. Chief business of the meeting will be the election of new officers.

The following have been put up for nomination:—President, J. P. Harner, A. Wilhelm & Co., Reading, Pa.; vice-president, D. W. Munson, Eastern States Paint & Varnish Company, Philadelphia; secretary, A. W. Crompton, McCloskey Varnish Company, Philadelphia, and treasurer, P. Wetherill, Hock Paint & Chemical Works, Inc., Phoenixville, Pa.

Also on the agenda for the evening are addresses by Dr. D. E. Mack of Lehigh University and W. H. Patrick of American Cyanamid Company, New York. Dr. Mack will talk on the project of mixing equipment sponsored by the club and being carried out under his direction at Lehigh. Mr. Patrick's subject is "Two years of Styrenated Alkyd Resins," which talk will be augmented by a 16mm. motion picture, entitled, "Science in Resin Development."

Naugatuck Reassigns Herring

Appointment of J. A. Herring as technical sales representative for "Marvinol" vinyl resins in the New York area was announced last week by Harold M. Parsekian, manager of vinyl sales, Naugatuck Chemical division, United States Rubber Company. He will make his headquarters at the Naugatuck New York office, 254 Fourth avenue.

Glidden Names Foreign Agent

Appointment of Aviquipo, Inc., as distributor of the Glidden Company's aircraft finishes in all countries of the world except the United States and its territories and possessions, Cuba, Mexico and Canada, was announced last week in the company's paint and varnish division. The aircraft finishes, known as "Glidair," will be distributed through Aviquipo subsidiaries in England, France, Portugal, India, South Africa, Australia, Thailand and six countries in South America.

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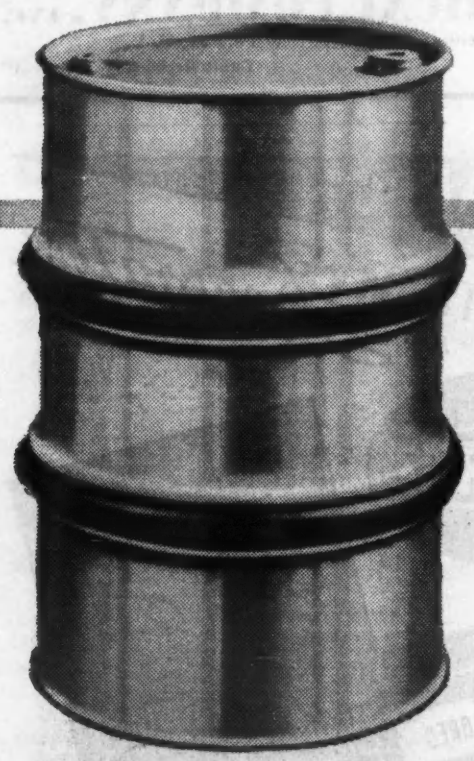

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The rubber rolling hoop is our own specially-designed and patented device, but licenses for its use are now available from us. Although rubber rolling hoops are used principally on 55-gallon stainless steel drums, they have also been approved for Type ICC-5 carbon steel and galvanized drums.

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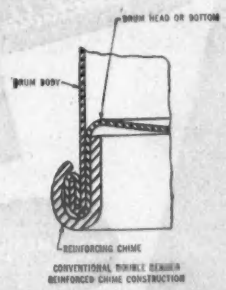

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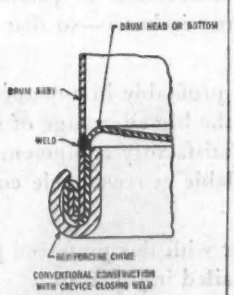
SPECIAL CHIME CONSTRUCTION

A special crevice weld (patent applied for) can be used in the construction of our Stainless Steel Drums. This construction has the advantage of sealing off the crevice or aperture which results from a conventional type of double-seamed construction. Thus no commodity or material in the containers can enter the double seam, to be trapped within the joint.



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USS
UNITED STATES STEEL

Paint Materials Progress

—Continued from page 5

replace most wood oil varnishes. Another use of this oil is in calcicoater vehicles.

The new Falkovar improved fish oils are segregated and refined to offer maximum quality.

Facoil CP, announced by National Southern Products Corporation, is a solvent-refined tall oil treated to remove the color bodies. The esters may be used in the production of white paints.

The Baker Castor Oil Company has introduced Castung 403-W as a base for styrenation. The W viscosity is the best for this purpose. Flexricin 1 and 2 have been developed as plasticizers for polyvinyl chloride and copolymer resins. Flexricin was developed as a plasticizer for nitrocellulose to combine the estertype and oil-type characteristics in one compound.

Petroleum Specialties Company now has safflower oil available in tankcar quantities. Claim is made that this oil is about equal to linseed oil in drying time and durability.

Resins and Plasticizers

Resimene U is a new Monsanto butylated urea-formaldehyde resin. It gives a fast cure, high gloss at high hardness, and good color retention in whites and pastel enamels.

Rohm & Haas is adding Paraplex G-60 to its "G" series. This plasticizer exerts stabilizing action on polyvinyl chloride, nitrocellulose, chlorinated rubber, and other chlorinated polymers.

Uformite F-233 is a very highly compatible, fast-baking resin which gives high gloss with all types of alkyds. It also has a high mineral spirits tolerance.

Uformite F-210 is a high-viscosity, highly compatible resin for economical, low-solids coatings. It gives excellent adhesion, high gloss, and high resistance to water.

Melmac 247-10, a new development by American Cyanamid, has excellent compatibility with medium oil length varnishes and mineral spirit solutions of alkyd resins.

Additional resins by American Cyanamid are Cycopol S 101-1, a styrene-alkyd copolymer resin in petroleum spirits solution, and Cycopol S 101-5, a styrene-alkyd copolymer resin in xylene solution.

The Goodyear Chemigum latex 101-AK is a high-solids latex of the Buna S type with a fast drying rate.

U. S. Industrial Chemicals, Inc., is offering several new resins. Aroplaz 1271, 1273, and 1278 are alkyds which will find use in structural steel primers and topcoats, bulletin and trim colors. Arofene 777 is a new low-cost pure phenolic resin. Arofiat 3010-M is a special alkyd for use in wall finishes.

Plaskon have developed Plaskon 3186 specifically for use in flat and semigloss wall paints and where a high degree of nonpenetration is desirable.

The new G. E. 2559 is a new polyester-type plasticizer, reported to have good heat, light, and weather resistance and improved nonmigrating properties.

Acryloid B-72 is now available from Rohm & Haas at 100 percent solids for specialty coatings, such as luminescent coatings and finishes for chrome plate and silverware.

Duraplex C-55X is quite compatible with Parlon. Good hammer finishes can be made.

Plaskon is now offering Plaskon 3161, a soya-alkyd solution, for use in automotive coatings and primers. It may be used with up to 25 percent urea or 15 percent melamine resins. The alkyd is a 50 percent soya resin in Solvesso 100, with an acid number of 12 to 14, and a viscosity of V to X. Excellent color retention, fast drying, and short cycle bakes are claimed.

Miscellaneous

The Ferro Chemical Corporation is now offering a series of Hypodynes. The properties include thickening, wetting, and dispersing characteristics.

The committee wishes to acknowledge with thanks the generous cooperation of the many individuals, suppliers, and laboratories who have made this report possible.

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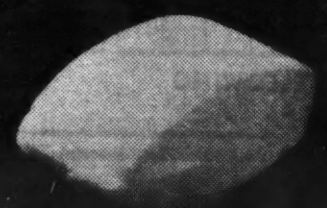
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AIC Hears Advances

—Continued from page 7

bright only if this emphasis on research is continued."

The course of this research, according to Dr. Rugar, must be along four main paths: — improvement in manufacturing processes; utilization of byproducts; packaging and transportation, and development of new uses.

Dr. C. F. Rassweiler, vice-president in charge of research and development for Johns-Manville Corporation, reported that technical progress in the building field is being made particularly along the lines of transforming cheap raw materials into finished shelter. He added that new building materials are being developed to accomplish the purpose now requiring two different products; building materials are being developed in larger unit sizes so as to reduce the cost of erection; standardized, factory - assembled sections are being provided to fit into conventional structures, and more durable materials are becoming available to reduce upkeep and maintenance costs.

Such drugs as the antimalarials, vitamins, hormones, antibiotics and others have had the effect of lowering the death rate and increasing life expectancy, the assemblage was told by Dr. Randolph T. Major, vice-president of Merck & Co., Rahway, N. J. He added, however, that there still remains a vast field for research in drugs to be used in the fight against heart diseases and cancer and development of drugs really effective against virus diseases.

Dr. Robert M. Burns, chemical director for Bell Telephone Laboratories, Inc., declared that production by the electro-process industries will increase several fold in the next few years. This, he said, was due to recent improvements in both primary and secondary batteries which provide longer life at lower maintenance cost.

Dr. C. E. Waring, vice-president of Davison Chemical Company, Baltimore, discussed "Milestones of the Mid-Century in Fertilizer Chemistry," and said that agricultural requirements have in a large measure motivated the growth of the sulphur, potash and ammonia industries in the past fifty years. The United States, he said, is now self-sufficient in all three of these materials, although this self-sufficiency did not become apparent in sulphur until 1917 and in potash until 1941.

Developing Use of Lignin

John B. Calkin, director of the department of industrial cooperation of the University of Maine, declared that there is evidence that lignins may be used for fertilizer; for filling for buna rubber; in the preparation of bakelite type resins; as a substitute for phenols in making laminated products; as dispersing agent on concrete; for the making of vanillin, and for use in asphalt.

Harry Burrell, of Interchemical Corporation's finishes division, declared that if a national synthetic gasoline program develops, byproduct solvents may be expected to change the character of paints and to make them cheaper. There seems to be a trend, he said, toward tailor-making coating molecules from the fifty or so vinyl monomers now available.

P. O. Powers, technical adviser for the Battelle Memorial Institute, Columbus, Ohio, stated that projection of the present trends and expansion in plastics indicates a 1,000-fold growth in the next fifty years. It seems apparent, he added, that most of the increase in the next decade will have to be produced from petroleum materials.

Petrochemical Industry Outlook

Dr. Gustav Egloff, director of research for Universale Oil Products Company, Chicago, declared that the petrochemical industry may reach a production of 48,000,000,000 pounds by the year 2000 and at the same time will be utilizing only 1 percent of the projected and natural gas production. Over $110,000,000 is spent annually on petroleum research, he said, and continued expansion of the industry is assured by the reliance of oil companies on such research.

Other speakers were Alex Stewart, National Lead Company, "Trends in the Newer Metals"; John H. Nair, Continental Foods, Inc., "Food and Nutrition"; Dr. Ralph L. Evans, Evans Research & Development Corporation, "The New Look in Cosmetics"; Dr. Arthur L. Fox, Colgate-Palmolive-Peet Corporation, "Detergents of the Future"; Norman C. Hill, C. P. Hall Company, "Rubber Research—Past, Present and the Goal"; Dr. Albert A. Somerville, R. T. Vanderbilt Company, "Chemicals Used in the Manufacture of Rubber Goods"; Dr. B. S. Old, Arthur D. Little, Inc., "The Use of Radioactive Materials in Research"; Dr. S. E. Cairncross, Arthur D. Little, "Flavor"; Cary R. Wagner, General Aniline & Film Corporation, "Photography, Image of the Future"; W. M. Holaday, Socony-Vacuum Oil Company, "Developments in Liquid Fuels," and J. D. Clendennin, Bureau of Mines, "Solid Fuels Utilization."

Banquets Schedule

At the banquet, Lawrence H. Flett, of National Aniline Division of Allied Chemical & Dye Corporation and president of AIC, was scheduled to present the medal to Dr. Murphy. Speakers for the medalist were to be Dr. Charles Allen Thomas, executive vice-president of Monsanto Chemical Company, and Dr. Raymond E. Kirk, head of the department of chemistry at Polytechnic Institute of Brooklyn. John E. McKeen, president of Chas. Pfizer & Co., Brooklyn, was to be toastmaster.

Trade Briefs

Nicholas Kondur has been named manager of mold manufacture of the plastic division of General Electric Company's chemical department at Pittsfield, Mass.

The DeVilbiss Company, Toledo, Ohio, will open a new assembling, warehousing and distributing plant in Santa Clara, Calif., on or about June 1.

FOR ALKYD RESINS:

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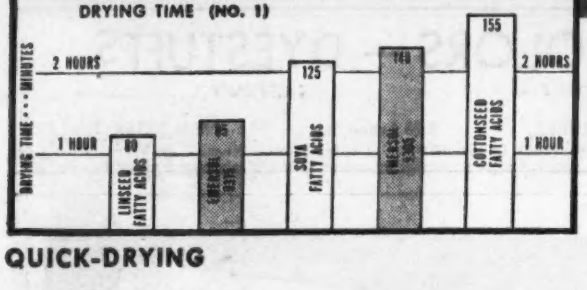

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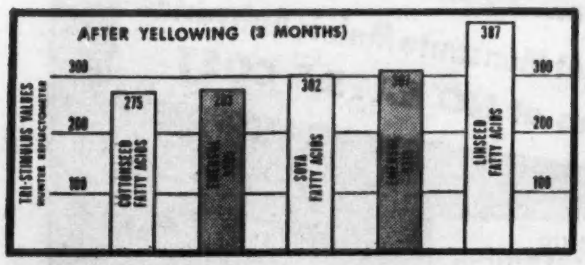

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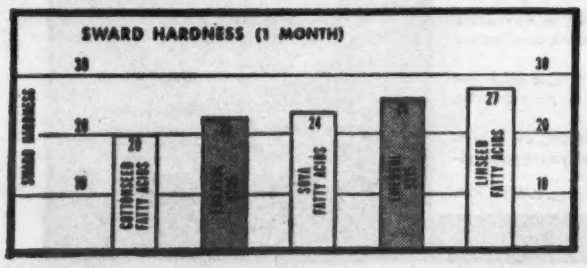

GREATER HARDNESS

3

TYPICAL CHARACTERISTICS AND COMPOSITION

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Emersol 9305 Double Distilled Liquid Fatty Acid	5 max.	135-145	3	191-197	46%	52%	2%
Emersol 9315 Double Distilled Liquid Fatty Acid	5 max.	145-160	3	191-197	31%	61%	8%

NOTE: The Emersol special Fatty Acids were formerly called Plastolein Fatty Acids. There is no change except in name.

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Oils, Fats and Waxes

Trend of crude edible vegetable oil prices continued upward last week, scoring fractional advances. The sharpest increases took place in soybean and cottonseed oils. Soybeans were stronger, advancing the oil, while crude cottonseed oil was strengthened by the disposal by CCC of government owned crude oil at increases of ¼ cent to ⅞ cent above previous sales. Trading in all oils was spotty and for moderate quantities. Price index advanced 1.7.

Corn oil was stronger and up fractionally, with prompt shipment sold up and offers were restricted to June forward. Peanut oil was quotably unchanged, but was firm with other edible oils. Coconut oil developed an easier tone with copra and declining ½ cent per pound, Copra dropped $5 per ton.

Lard was firmer and advancing fractionally. Oleo oil was raised ½ cent per pound. Tallow and greases continued in a steady position, despite a light volume of trading. Domestic buyers took moderate quantities of better grades of tallow at unchanged prices. Export business continued spotty, though inquiry was active for both tallow and greases.

Tung oil continued easy and was further cut ¼ cent per pound. Supplies of imported oil were more liberal, with consumers interest limited. Linseed oil was quiet, but steady.

Carnauba wax was stronger due to improved consuming demand and reduced offers for spot and forward delivery. Prices were boosted 3 cents to 5 cents per pound. Some sellers withdrew from the market.

Market Trends

Prices Advanced

Carnauba wax, 3c. to 5c. per lb.
Corn oil, 5⁄8c. per lb.
Cottonseed oil, ½c. per lb.
Lard, ½c. per lb.
Oleo oil, ½c. per lb.
Soybean oil, ½c. per lb.

Prices Reduced

Coconut oil, ½c. per lb.
Copra, $5 per ton.
Degras, neutral, 1c. per lb.
Tung oil, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	May 13, 1949
122.8	121.7	120.9	111.3	130.0

(For Current Prices see Page 5)

Cottonseed Oil

Bleachable cottonseed oil futures continued to move upward last week, again reaching new highs for the season. The market was firm, reflecting the strength in soybeans and the sale of government owned crude oil at higher prices, but became unsettled by announcement of the cotton-Manchurian soybean barter deal and net gains were materially reduced.

Crude cottonseed oil was lifted to 14⅞c. per pound, tankcars, f.o.b. mills, Southeast and Valley, and 14¾c. f.o.b. Texas.

CCC confirmed the sale of 20,200,000 pounds of crude cottonseed oil last week at 13¾c. to 14⅛c. per pound, tankcars, f.o.b. Texas mills. The entire amount was sold to domestic buyers at ½c. to ⅞c. per pound above the asked price of 13¼c. announced May 1. Higher prices represent the margin of profit to CCC. Bids for an additional 840,000 pounds were requested by 10 a.m., May 12, at the regional office, Dallas, and it was announced that bids of less than 13¼c. would not be considered.

Production of cottonseed from the 1949 crop was estimated at 6,613,000 tons, 11 percent more than the 5,945,000 tons in 1948 and 43 percent greater than the 10-year average of 4,631,000 tons. Receipts of seed at oil mills through March 31, 1950, as reported by the Bureau of the Census, with an allowance for receipts during the remainder of the season, indicate that about 5,984,000 tons, or 90.5 percent of 1949 production, will be delivered to oil mills for crushing, compared with 5,382,000 tons or 90.5 percent delivered to the mills.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended May 12 follow:—

	Sales	Cents per pound High	Low	Close
May	77	17.75	17.13	16.90@17.21
July	584	17.52	16.94	16.94S
September	706	17.22	16.27	16.27S
October	122	16.27	15.32	15.30@15.35
December	450	16.17	15.00	15.07—15.00S
January	...	...	...	15.00N
March	25	16.00	14.90	14.90S

Total sales, 1,964 tankcars, including switches.

Memphis.—Last sales of crude cottonseed oil reported at 14⅞c. per pound, tankcars, f.o.b. mills and crude soybean oil at 14½c., same basis. Cottonseed meal quoted at $67 to $68 per ton, sacked Memphis. Soybean meal 41 to 44 percent held at $75 per ton, sacked, f.o.b. southern mills. Cottonseed hulls, $9 per ton, bulk and $15 sacked, basis Memphis.

Linseed Oil

Although business continued restricted to actual requirements, the market was steadier at unchanged quotations. Raw oil was quoted at on the basis of 16.70c. to 16.90c. per pound, tankcars, Zone 3. There was less inclination to shade prices due delayed seeding in the Northwest and the fact that California flaxseed was held at firm prices. The call for oil against current contracts was fairly active. About 31,652,000 bushels of flaxseed was stored in all positions on April 1, 1950, according to the Bureau of Agricultural Economics. A year earlier the total was 29,328,000 bushels, and stocks on April 1, 1948, were 18,588,000 bushels. From total stocks of 42,076,000 bushels in these positions on January 1, disappearance is indicated at 10,424,000 bushels. From the supply of 63,023,000 bushels—carryover of 19,359,000 bushels plus the new crop of 43,664,000 bushels—disappearance since July 1 is indicated at 31,371,000 bushels. The quantity of flaxseed processed for oil is reported by the Bureau of the Census at 8,265,000 bushels for the January-March quarter and 29,556,000 bushels since July 1, 1949, with some 1949 crop flaxseed processed before July 1.

Minneapolis.—Interest in old-crop oil was at a minimum last week and consumers came in for supplies only when forced to replace low stocks. Old-crop linseed oil was quoted at 16.1c. per pound, raw, in tankcars, Zone 1, for prompt shipment. Shipping instructions held up well, especially to areas where the weather has been ideal for outside painting.

Shipments of linseed oil last week, in pounds, were as follows:—

	1949-50	1948-49
This week	6,960,000	7,320,000
Since Sept. 1	306,240,000	251,718,000

Flaxseed—Seed offerings were taken by the government at support price. Sales to crushers were practically nil.

Minneapolis.—Shipment of flaxseed to Holland and Norway featured the market last week. As for the actual flaxseed trading, it was practically non-existent as no seed was being offered for sale. The government, under its price support parogram, has taken title to most of the seed. Shipments of seed for export amounted to around 140 cars. Local flaxseed quotations held steady at $3.85 to $3.99 but only one car of seed was sold to-arrive during the week—at $3.99 a bushel. Weather news, however, took the limelight as cold and rainy weather continued to hover over the Upper Midwest area. Only late in the week did conditions clear up. Many farmers are expected to switch to planting of flaxseed or soybeans if conditions do not improve.

Flaxseed receipts and shipments last week, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	91,800	6,800	379,100	39,100
Since Sept. 1	16,388,100	31,960,500	2,875,500	8,074,900

Other Vegetable Oils

Castor Dehydrated—Business was reported slow. Market remained steady at current quotations.

Coconut—An easy tone prevailed and crude oil declined ½c. May shipment was quoted at 14½c. per pound, tankcars, f.o.b. Pacific Coast and June at 14¼c., same basis. Trading was quiet.

Copra—This market was unsettled and off about $5 per ton. Prompt shipment was quoted at $190 per short ton, c.i.f. Pacific Coast.

Corn—Crude oil was sold at 14⅞c. per pound, tankcars, f.o.b. mills, up 5⁄8c. Market was stronger with other edible oils. Refined oil was firmer at 17¾c. per pound, tankcars, New York delivery.

Oiticica—Consuming inquiry was moderate, chiefly for prompt needs. Prices were unchanged.

Olive—Trading in edible oil was light and spotty. Quotations were unchanged, ranging from $2.10 to $2.50 per gallon, drums, duty paid for spot delivery. Foots were held at 13½c. to 13¾c. per pound, drums, spot and 13c. for shipment. Arrivals of edible oil at New York last week totaled 1,430 drums.

Palm—This market was entirely nominal due to the scarcity of supplies for

For Late Market Developments, See Page 4

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spot and prompt delivery. Tankcars were quoted at 12¼c. per pound, August delivery at New York.

Peanut—Crude oil was offered at 15¼c. per pound, tankcars, f.o.b. mills May shipment, and was offered for May-June at the same price. Market was strong with competing oils. Refined oil was advanced to 18¼c. per pound, tankcars, New York delivery.

Soybean—Trend of oil prices continued upward with the advance in beans. Crude was lifted ½c., sales taking place at 14¼c. per pound, tankcars, f.o.b. mills, May shipment. June shipment was sold at 14⅛c. July-September was nominal at 13⅞c. and October-December at 11⅞c. Refined edible oil was raised to 16¾c. per pound, tankcars, New York delivery. Refined alkali and clarified were advanced to 16.65c. and 15.75c. per pound, tankcars, New York respectively.

Nearly 120,000,000 bushels of soybeans were reported in all storage positions on April 1 by the Bureau of Agricultural Economics, while the Census Bureau figures indicated stocks at 110,000,000 bushels on the same date. Officials of the Agriculture Department concede the discrepancy, but until proved incorrect will stand by the higher figure, which is based on the department's latest information.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended May 12 follow:—

	Sales	Cents per pound High	Low	Close
May	3	14.75	14.00	13.75@14.25
June	...	...	...	13.45@14.00
July	115	14.45	13.35	13.35S
August	13	14.35	13.50	13.23@13.48
September	45	14.26	12.85	13.15@13.30
October	117	13.14	11.47	11.50—11.47S
November	4	12.15	11.80	11.00@11.30
December	10	11.90	11.10	10.40@10.85
January	...	...	...	10.75N
February	...	...	...	10.75N
March	1	11.65	11.65	10.65@11.00
April	...	...	...	10.65N

Total sales, 308 tankcars and switches.

Tung—Quiet demand and larger available supplies continued to depress the market and prices declined ¼c. Imported oil was quoted at 24c. per pound, tankcars, May-June delivery, New York, and 25c. drums, carlots. Domestic oil was nominal at 24½c. per pound, tankcars, f.o.b. southern mills. Arrivals at New York last week were reported at 2,190 drums from Buenos Aires and 2,579 drums from China.

Los Angeles Vegetable Oils Market

Los Angeles.—Activity tends to increase in the market here as prices for edible oils show further gain. The local trade credits the current squeeze to expected tighter supplies prior to the availability of new crops. Locally, there is little evidence of current shortages in any edible oils. The only oils reported weaker were linseed and tung. Castor oil sales continue strong with supplies adequate. Tankcars, f.o.b. Los Angeles, quoted as follows:—Castor, No. 1, dms., l.c.l., 21.25c. per pound; No. 3, dms., l.c.l., 20c. per pound; dehydrated, bodied, dms., l.c.l., 25c. per pound; unbodied, dms., l.c.l., 24c. per pound. Coconut, crude, 14½c. per pound. Corn, crude, 14.5c. per pound, Chicago basis; refined, 17.82c. per pound. Cottonseed, crude, 15c. per pound, Texas, 15¼c. per pound Valley; refined, 18.75c. per pound. Linseed, 16.5c. per pound. Peanut, crude, f.o.b. mill, 15¼c. per pound Texas; refined, 18.5c. per pound. Soybean, crude, 14¼c. per pound, Decatur basis; refined, 17.32c. per pound. Tung, 24.25c. per pound, Florida or Georgia.

Fats and Greases

Greases—Steady tone prevailed, despite limited volume of business. Offerings of all grades were maintained at former levels. Export inquiry was fairly active, with some sales reported of yellow at 6⅛c. per pound, drums, f.a.s.

Lard—Further fractional advances featured this market. Export inquiry improved. Pure refined lard was firmer and held at 13½c. per pound, containers, f.a.s. Cash lard was quoted at 12.50c. per pound, tierces, Chicago.

Tallow—Trading was fairly active in special and better grades for soapers account. Prices were unchanged and steady. Export inquiry was active, though business was reported spotty.

Animal Oils

Degras—Demand was spotty, chiefly for actual requirements. Prices for neutral grades were easier. Less 2 percent acid was quoted at 21c. to 22c. and over 2 percent, 20c. to 21c. per pound in drums.

Grease Oils—Market was quiet and fairly steady. Prices were unchanged.

Oleo Oil—Business was light. Market was firmer. Extra was quoted at 13½c. per pound, drums.

Fish Oils

Cod—There was little doing in this market. Supplies on spot and offers for shipment were limited. Quotations were unchanged at for untanked 7½c. per pound, drums and tanked at 8c. to 8½c., New York basis.

Fish—Refined oil was steady at the recent advance. Trading was moderate, mainly for prompt delivery. Crude oil was scarce and nominal. Menhaden, 6c. per pound, tankcars, f.o.b. Baltimore and sardine at 7⅜c., Pacific coast.

Los Angeles.—The supply of sardine oil on the Pacific Coast was further reduced last week as approximately two cars of oil were sold at Monterey at 7.375c. per pound. There remains about 1½ cars of oil in San Diego which is quoted locally at 7.5c. per pound, f.o.b. Los Angeles. No trading was reported in tuna oil, currently quoted nominally at 4.75c. per pound, f.o.b. Los Angeles.

Fatty Acids

Red Oil—Moderate demand was noted for prompt delivery. Quotations were steady.

Stearic Acid—Trading was fairly active for actual needs. Prices were maintained at former levels.

Cake and Meal

Cottonseed Cake and Meal—Meal market was firm. Slab cake 41 percent loose was offered in limited quantity mostly from resellers at $62.50 per ton f.o.b. Mississippi valley, May shipment and $63 June shipment Meal 41 percent was quoted at $66.50 to $67.50 per ton, sacked basis Memphis May shipment. Slab cake, 41 percent was offered out of Texas at $52 May-June shipment. Meal, 41 percent was available in limited quantities at $70 to $72 per ton, sacked Georgia and South Carolina, May shipment.

Linseed Meal—Trading was slow, chiefly for prompt needs. Prices were fairly steady.

Minneapolis.—Soybean meal and other feedstuffs were in heavy demand in the Upper Midwest area last week—but linseed meal was not. Demand for linseed meal was sufficient to consume current output, which hasn't been too heavy. Prices on both linseed meals held steady with a week ago, with 34 percent expeller quoted at $67 to $68 per ton, and 36 per cent extracted at $63.50 to $64 per ton, bulk, f.o.b., Mpls.

Shipments of linseed meal, in pounds, were as follows:—

	1949-50	1948-49
This week	12,240,000	8,700,000
Since Sept. 1	604,250,000	472,120,000

Peanut Meal—Market continued strong with a fairly active demand. Last week the government offered peanuts for approximately 900 tons of meal scattered throughout the southeast which is about the same as previous week's release. Old process meal 45 percent was quoted at $74 per ton, south Georgia and south Alabama mills, May shipment and June at 50c. per ton less.

Soybean Meal—Meal 44 percent bulk was quoted at $70 per ton Decatur, May through September shipment and 45 percent sacked ranged from $73.50 to $75 southeastern mills, May shipment. Demand continued fairly good with some resistance to higher prices.

Waxes

Beeswax—This market remained steady with the firmness of crudes. Demand was light, chiefly for immediate needs. Quotations were well held.

Candelilla—Trading was confined to small lots for immediate delivery. Prices were without change.

Carnauba—Firmer conditions prevailed last week, as a result of the lack of selling pressure on the spot and for shipment from Brazil. Offerings were sharply reduced and some sellers withdrew from the market. Consuming inquiry was more active, but trading was light at higher prices. No. 3 crude ranged from 68c. to 70c. per pound on spot and sales of refined took place at 73c. and 75c. No. 1, yellow was sharply higher at 88c. to 90c. and practically unobtainable. No. 2, North country, also was stronger and scarce. Quotations were nominal, depending upon quantity and seller.

Ouricury—Refined was unchanged and steady at 74c. to 76c. per pound, as to quantity. Prices were still above carnauba.

General Foods Appoints Murer Manager of Labs

General Foods Corporation, New York has named Harvey K. Murer manager o the concern's central laboratories in Hoboken, N. J. At the same time, Roy W Walters, director of engineering researcl at the laboratories, has been transferre to the New York office as technical assistant to the director of research and development. Mr. Murer has been with General Foods since 1941, serving in variou technical posts. Mr. Walters joined th organization in 1934, becoming director o engineering research in 1943.

Oilseeds Output Increase Sought by Argentinians

As an incentive to increased production in 1950-51 of Argentina's major oilseed crops, flaxseed and sunflower seed, the Argentine government has raised the price to producers, according to the Office of Foreign Agricultural Relations.

The new price for flaxseed is 41 pesos per 100 kilograms ($3.10 per bushel), compared with 34 pesos ($2.57) for seed from the 1949-50 crop. There is a very slight change in sunflower seed. Producers will receive 29.50 pesos per 100 kilograms ($79.68 per short ton) for seed from the 1950-51 crop, against 29 pesos ($78.34) for the 1949-50 crop.

The Argentine government is asking growers to plant 4,900,000 acres to flaxseed for the 1950-51 crop. The trade estimate of last year's planting is 2,700,000 acres, revised downward from the previous estimate of 3,000,000 acres, on the basis of post-harvest reports. The acreage increase sought by the government thus amounts to about 80 percent. With average yields, this would mean a crop of about 43,000,000 bushels—greater than any crop since 1943-44 and equal to the United States crop of 1949.

So far there has been no acreage goal set for sunflower seed, possibly because 1950-51 plantings will not begin before October or November.

General Mills Appoints Sales Agent for Midwest

General Mills, Inc., Minneapolis, Minn., has appointed Morton-Myers Company, Kansas City, Mo., sales representative for the chemical division in Kansas, Nebraska and western Missouri. The appointee will handle the company's complete line of vegetable, animal and marine fats and oils, as well as all organic derivatives for the technical trade.

ECA Funds Cut by Senate

The foreign aid bill carrying a total of $3,116,450,000 for the Economic Cooperation Administration, aid to China and Korea and for the point four program for another year was passed by the senate May 5 by a record vote of 60—8. ECA portion of the total amounts to $2,850,000,000 a reduction of $250,000,000 below the amount originally proposed by the Administration. It is the same as the amount approved by the house. The appropriation for the point four program, which covers only the providing of technical knowledge and skills to undeveloped areas, is $45,000,000, which is $15,000,000 more than proposed by the house.

Oils, Fats Exports Imports: Jan.-Feb.

The Office of Foreign Agricultural Relations has released preliminary data on exports and imports of specified fats, oils and oilseeds during the first two months of 1950, as compared with the corresponding period of 1949. The figures are as follows, in pounds, unless otherwise indicated:—

Exports

	1950	1949
Animal fats and greases, unspecified	8,523,000	10,527,000
Coconut oil, refined	1,131,000	843,000
Crude	1,787,000	1,262,000
Cooking fats	114,353,000	76,338,000
Corn oil, refined	256,000	204,000
Crude	70,000	4,000
Cottonseed	10,636,000	7,210,000
Cottonseed oil, refined	5,751,000	6,519,000
Crude	17,536,000	6,373,000
Fish oils, except medicinal	2,228,000	9,019,000
Flaxseed, bushels	594,000	635,000
Lard	114,353,000	76,338,000
Linseed oil	2,686,000	733,000
Neatsfoot oil	116,000	50,000
Oleomargarine	379,000	471,000
Peanut oil, refined	2,619,000	18,000
Crude	8,920,000	40,000
Peanuts, shelled	18,705,000	129,705,000
Unshelled	558,000	1,395,000
Soybean oil, refined	13,088,000	5,255,000
Crude	59,876,000	11,111,000
Soybeans, bushels	1,922,000	3,189,000
Stearic acid	740,000	1,380,000
Tallow, edible	1,602,000	1,240,000
Inedible	49,536,000	30,422,000
Vegetable fatty acids	4,808,000	2,904,000
Stearine	499,000	1,919,000
Tallow and wax	1,087,000	383,000

Imports

	1950	1949
Babassu kernels	13,624,000	19,646,000
Oil	1,676,000	1,025,000
Castorbeans	48,921,000	71,617,000
Oil	5,633,000	677,000
Coconut oil	21,404,000	16,999,000
Copra, short tons	71,786	42,462
Flaxseed, bushels	2,000	78,000
Herring oil	4,283,000	3,350,000
Linseed oil	1,000	170,000
Oiticica oil	110,000	2,148,000
Olive oil, edible	7,277,000	4,599,000
Inedible	157,000	27,000
Palm oil	2,266,000	15,710,000
Rapeseed oil, denatured	654,000	
Sesame seed	1,125,000	1,890,000
Oil, edible	189,000	7,000
Teaseed oil	.....	36,000
Tucum kernels	.....	7,385,000
Tung oil	5,484,000	20,509,000

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SPECIFICATIONS

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	4-6°T.	L.C.P.	D.P.
Titre °C	4°- 6°	8°-10°	18°-20°
Cloud Point °F	38°-42°	46°-49°	63°-71°
Color Lovibond 1" Red	4 - 7	4 - 7	4 - 7
Color Lovibond 1" Yellow	20 -40	20 -40	20 -40
Unsaponifiable %	2.0 -3.0	2.0 -3.0	1.5 -2.5
Saponification Value	196 -199	196 -199	197 -200
Acid Value	195 -198	195 -198	196 -199
% F.F.A. as Oleic Acid	98 -99.5	98 -99.5	98.5 -100.0
Iodine Value	90 -93	88 -91	80 -85

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3. Unsaponifiables as low as 1%.
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MONTREAL—D. & S. H. Thompson & Co., Reg.
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157 HUDSON ST. WOrth 4-5900 NEW YORK 13, N. Y.
FRED'K R. FIRSTENBERG Pres.

MODERN REBUILT AND GUARANTEED EQUIPMENT
Specially Priced for Quick Sale

UNION Rebuilt Machinery Established 1912

Stokes & Smith G1 & G4 Auger Fillers.
F. J. Stokes 90D automatic Tube Filler and Closer.
Knapp E adj. Wraparound and Spot Labeler, 1 gal. cap. (also for jars with ears).
Burt auto. Wraparound Labeler.
Colton & F. J. Stokes Eureka & RD3 Rotary Tablet Machines.
F. J. Stokes DDS-2 23-punch Rotary Tablet Machine.
Triangle Package models U Auger, G2C, A2C, N2CA & A60A Electri-Pak 6 head Fillers.
Triangle model SHA auto. Net Weigher with high speed adj. semi-auto. Carton Sealer.
Colton 4PF Cream Fillers.
Filler 1, 2, 4, and 8 head stainless steel Piston Fillers.
Ceco auto. Carton Closer.
Knapp No. 429 Carton Sealer.
Package Machy. Co. Models FA, DF, FAQ and FA2Q fully automatic Cellophane Wrappers.
Miller & Scandia SSU1 semi automatic Cellophane Wrappers.
Mikro 4TH, 2TH, 1SH & Bantam Pulverizers; Jay Bee 3AT & U1, Schutz-O'Neill, Stedman Mills.
Baker Perkins and Readco Heavy Duty 100 and 150 gallon cap. Double Arm Jacketed Mixers.
F. J. Stokes, J. H. Day, New Era, Hottman Mixers, from 2 gallons up to 450 gallons, with and without Jackets, Single and Double Arm Agitators.
Day and Robinson 100, 600, 2,000, 2,400, 4,000 lbs. Dry Powder Mixers and Sifters.
J. H. Day #31 Ro-Ball Sifter, 20" x 48", single deck, motor driven, with auto. shutter gate.
Huhn and Hersey Steam and Gas Fired Rotary Tubular Dryers.
Kent Three Roll Roller Mills, 12" x 30" and 16" x 40" sizes.
Houchin Aiken & N.E. Soap Mills.
Pony M, ML and MX Duplex Labelrites, Ermold and World semi and fully automatic Rotary and Straightaway Labelers.
Horix Stainless Steel Rotary and International Straightline automatic Vacuum Fillers.
Ayars #10 Can Rotary Filler.
Ertel 12 Head and Hand Semi Automatic Vacuum Fillers.
Sweetland, Vallez, Sperry, Shriver, Ertel, Johnson and Republic Filter Presses.

MANY OTHER ITEMS OF INTEREST IN STOCK
Tell Us Your Requirements

Union STANDARD EQUIPMENT CO.
318-322 LAFAYETTE ST., NEW YORK 12, N. Y.

"BUY BRILL"
Buy the BEST

1—Evaporator 8'6" dia. Calandria type, all copper.
4—Evaporators 7', 6'6", Calandria type, copper tubes.
10—Ross Engineering 2-Truck Atmospheric Steam Heated Dryers, 500 sq. ft. each.
2—Tolhurst 40", 32", Suspended type monel perforated baskets, bottom discharge Centrifugals, with exp. proof motors.
1—Fletcher 32" Suspended Centrifugal, steel solid basket.
1—Bird 18"x28" Continuous Centrifugal with solid monel bowl, m.d.
6—Sweetland Filters, Nos. 12, 10, 7, 2.
3—Sweetland Filters, No. 2, all stainless steel bodies and leaves.
1—Swenson 4'x5' Steel Rotary Vac. Filter.
1—Oliver 3'x2' Rotary Vac. Filter.
10—Patterson, Abbe Pebble Mills, 6'x8', 5'x 6', 4'x5', 4½'x3½', 36"x42", 30"x 36".
3—Mikro Pulverizers 4TH, 2TH, 1SH.
10—Rotex Screens, 20"x48", 40"x120".
5—Baker Perkins Double Arm Steam Jacketed Mixers, 100, 50, 2 gal.
8—Shriver, Sperry 36", 32", 24", 12" cast iron P&F Filter Presses.
3—Knapp Can Labelers up to No. 10 cans. Powder Mixers, Kettles, Tanks.

COMPLETE LISTINGS, QUOTATIONS ON REQUEST

BRILL EQUIPMENT COMPANY
2401-THIRD AVE.
New York 51, N. Y.
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BUY "MEC"
FOR SATISFACTION

2—NEW PFAUDLER 100 GAL. TYPE 347 STAINLESS STEEL JACKETED KETTLES, AGITATORS, MOTOR DRIVE. 40# INT. & 250# JACKET PRESSURES.

3—TYPE 347 STAINLESS STEEL CLOSED TANKS 3,450 GALS. WITH & WITHOUT COILS.

4—TYPE 347 STAINLESS STEEL 6' x 30' BUBBLE CAP COLUMNS.

1—ATM. CO. 26" STAINLESS STEEL SUSPENDED STYLE CENTRIFUGE SOLID BASKET, MOTOR DRIVE—2 SPEED.

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The Machinery and Equipment Corp.
533 West Broadway
New York 12, N. Y. GRamercy 5-6680

FOR SALE

Pebble Mills: 6x5', 5x6', 46x66", 3x4'.
Carton Gluer: Packomatic with Sealer.
Mills: 3-roll high and slow speeds.
Mixer: W.&P. 20 gal. jacketed.
Dryers: 6x40' Davenport hot air rotary.
Pony Mixers: 15 gal. and 40 gal.
Kettles: 200 gal. Dopp jacketed, agitated.
Tube Filler: Stokes 90-C, with closer.
Colloid Mill: Charlotte model 100, 3 hp.
Filter Presses: 7", 12", 24", 36" cast iron.
Pulverizers: Mikro #2TH, #4 and 24".
Powder Mixers: Day 100, 200, 1,000 lbs. 20-20 Burton, Broughton 5 hp.
Labelers: Bottle and Can.
Powder Fillers: Stokes & Smith, Stokes, Triangle, Gump, Karstrom, McMinn.
Ribbon Mixers: 30 cu. ft. jack stain. steel.
Ribbon Mixer: 80 cu. ft. stainless steel.

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1925 W. North Ave. Chicago 22, Ill.

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Sparkler Stainless Steel Filter, Model #18-S-8.

1—Shriver, 42" x 42", Cast Iron, Plate and Frame, Filter Press, 25 Chambers.
1—Shriver, 36" x 36", Cast Iron, Closed-Delivery, Filter Press, 25 Chambers.
1—Sperry, 24" x 24", Plate & Frame, Cast Iron, Filter Press, 10 Chambers, Closed-Delivery.
1—Sperry, 24" x 24", Cast Iron, Plate & Frame, Filter Press, 20 Chambers, Open-Delivery.
1—Mikro Pulverizer #4TH with 60 HP Motor.
1—Acme Stainless Steel Jacketed Vacuum Reactor, 100 Gallons.
2—Orville Simpson #41 Rotex Screens.

R. GELB & SONS, INC.
Est. 1886 UNION, N. J. UNionville 2-4900

FOR SALE

Mikro Pulv. 1SH, 2TH, 3TH.
Laughlin Cont. Centrifuge.
Hardinge Mills—6'x22", 7'x22", 6'x48", air swept.
Filter Presses 18x18 closed delivery, 24x24, 30x30.
Drum Flaker 72"x60" Stainless.
Rotary Kilns 54"x30', 5'x50', 6'8"x45' & 8'8"x85' indirect.
Jaw Crushers 7"x9", 5"x12", 9"x15", 14"x26", 24"x36".

LAWLER COMPANY
Durham Ave. & Lawler Pl., Metuchen, N. J.

Good Used Equipment

FILTERS—12" Sperry, 4 chambers, closed delivery, rubber covered. Sparkler, model 18-12.

MIXER—J. H. Day, Mogul, Type M.D.B., class 7, size 5, nickel clad body & vacuum cover. Solid nickel Sigma blades & shafts. For vacuum operation. 7½ hp motor drive.

MIXER—Stokes Sifter & mixer, end discharge, capacity 200 lbs. with 1½ hp gear head motor drive.

CARLTON M HUB ASSOCIATES
1674 Broadway, New York 19, N. Y.

NEW AND GOOD-AS-NEW EQUIPMENT

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
1—Chrome Tank #430, vertical, with dished bottom, ¾ plate, and cover.
20—Steam Jacketed Kettles, Stainless Steel, Copper & Aluminum 5 to 250 gals.
50—Pumps, steam and electric.
4—New Glass Nash Centrifugal Pumps 160 gpm at 40'.
1—Buffovak Impregnating Tank, 42" x 52", steam jacketed.
2—Flow-Master Kom-bi-nators.
1—Ribbon type Mixer, steam jacketed.
4—Steel Tanks, 100,000 gals. each.
5—Steel Tanks, 47,500 gals. each.
1—500 gal. Vert. Glass-Lined Tank.
1—150 gal. Jacketed Glass-Lined Tank with agitator.
1—Sweetland Filter, No. 5, 15 leaves.
1—Sperry Filter, 18 x 18—24 plate.
2—Plate & Frame Filters, 25", open del.
1—Patterson Pebble Mill, 36" dia. x 42", porcelain lined.
2—Ransome Rotary Agitators, 9' dia. x 11'6".
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.
6—New Cleveo Can Filling Machines.

SPECIAL :-: New 100 H.P. Boiler 300# w.p. with grates, stack & fittings—$4,800.00.

H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

STEEL STORAGE TANK
20,000 GAL. CAPACITY ALL WELDED
10' DIAMETER X 30' LONG HORIZONTAL

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AFFILIATE OF EMIL A. SCHROTH
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Phone: Mitchell 2-3536

FOR EXTRA SERVICE . . . CALL
*Ed Morris *Moe Leipzig
*A..Harold Alexander

Day Stainless 40 Gal. Peny Mixer with 2 speed 5 HP motor.
Stokes 90D Tube Filler, Closer.
Stokes 148 C MicroVac Pump—1½ HP.
Buhler Hi Speed 12" x 48" Roll Mill Water Cooled; motorized 25 HP.
Rot. Vac. Dryer; 2' x 8' complete.
Banbury Mixer #3; 100 HP.
60" Calendar with Bored Rolls.
Feinc 3' x 1' Stainless Filter.
Day Double Arm 40 gal. Jacketed Mixer with sigma blades.
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Model A. & B. Transwrap Units.
Simpson Intensive Mixers #1½ & 2.

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Phone SOuth 8-4451—9264—8782
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EQUIPMENT CLEARING HOUSE, INC.
289-10th ST., BKLYN 15, N. Y.

STOP
LOOKING—WE HAVE THOSE Hard-To-Find UNITS!!

4—BRAND NEW Sperry & Shriver steel filter presses, C.D. wash. type, 24 to 31 chambers, 4 sye.
1—NEW American Tool S.S. suspended type centrifuge—20".
1—Eimco BRAND NEW rotary filter, carbon steel, type L-419, with exhauster reducer & decanter vessel.
1—100 gal. NEW lead lined jack. vac. still with 60 sq. ft. lead condenser.
1—Abbe type PC-303 chrome manganese ball mill—15 H.P. MD.
1—Pfaudler 200 gal. jack. & agit. reactor.

1—NEW Buffiovak evaporator—12' dia. C.I. Calandria type 4,150 sq. ft. steel tubes—Complete. Cost $48,000; our selling price, $20,000.

2—NEW Oliver Sweetland filters RH #7—S.S. trim, 5 x 5 mesh steel leaves.

We SPECIALIZE in Outstanding Machinery . . .
Send for Bulletin 79

CHEMICAL & PROCESS MACHINERY CORPORATION
146 GRAND ST. • NEW YORK 13
WOrth 4-8130

LIQUIDATING EQUIPMENT

Former
SIBONEY DISTILLING CO.
Philadelphia, Pa.

2—3,440 gal. Stainless Steel Tanks, Vert., closed.
1—1,640 gal. Stainless Steel Tank, Vert., closed.
6—Lightnin M-1 Portable Agitators, 1 HP, 1/60/110—220/1140 RPM Expl. Proof.
1—Byron Jackson Deep Well Pump, 150 GPM 325' T.H.—UNUSED.
1—Permutit Water Demineralizing Unit.
1—Copper Beer Still, 30" dia. x 36' H—complete.
2—Gin Stills.
3—Monel Yeast Machines.
Automatic bottling lines—fillers, labeler, air cleaner. Gravity conveyor, power boosters, tank scales, copper and wood tanks, pumps, air compressors, etc.

Write for List

FROM OUR OWN STOCK

4—Stainless Steel Bubble Cap Columns 6' dia. x 30' high; 20 plates.
3—Pan Dryers or Graining Kettles, Jktd. & Agit.; 5' dia. x 30"; 9' dia. x 36".
2—Sharples #16V Super-Centrifuges, stainless steel, dual purpose bowl.
3—Stainless Reaction Kettles, direct fired, heavy duty agitator—approx. 1,000 gal. cap.—4 speed motor.
3—Stainless Steel Tanks, 3,450 gal., vert., bolted top, 9' dia. x 7'3" high; coils.
1—Glascote 75 gal. Glass-Lined Kettle, jacketed, agitated.
2—Spencer Turbine Stainless Gas Compressors, 30 HP, 600 CFM @ 80 oz.

WE BUY SURPLUS EQUIPMENT & COMPLETE PLANTS

PERRY EQUIPMENT CORP.
1527 W. THOMPSON STREET • PHILA 21, PA.

SPECIALS—IN STOCK

Mikro #1 SH Pulverizers 3 HP. Other sizes.
6—Anderson No. 1 Expellers.
1—#00 Raymond Mill 30 HP, complete.
4—French Oil 400-Ton Linseed Presses.
2—Dopp 1,000 gal. Jack. Agit. Kettles, Doppley Acid Resistant & Iron.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24".
4—Allbright-Nell 4'x5' Atmos. Drum Dryers & Flakers.
1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x26".
1—Century 2 HP, 4 speed Vert. Mixer.
8—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, & 9 gals.
4—Abbe Pebble Mills, 6'x8', 60"x48".
8—Abbe Jar Mills, Lab. to 6 gal. sizes.
2—Master drum type Blenders, 1,000#.
15—Sperry & Shriver, 12", 18", 24", 30", 32", 42" Iron & Wood Filter Presses.
2—12" Bronze & Rubber Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
4—Rotex Sifters 20" x 48" to 40" x 84".
1—Allis-Chalmers 1 HP. Gyratory Sifter.
5—Tyler 28 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screen.
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
8—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3".
1—Robinson 22" Ball Bearing Attrition Mill, double pulleys.
11—Sharples No. 6A Stainless Oil Centrifuges. 2 HP. Also No. 6.
6—Colloid Mills & Homogenizers.
2—DeLaval Multi. Clarifiers, 300 & 301.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
2—Stokes & Day Powder Fillers. Sifters.
10—Stokes Vertical High Vac. Pumps.
3—Duriron 2"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Samco Jr. auto. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
1—Revolvator hand operated 1,000#.
6—Filling, Labeling, Cartoning & Wrapping Machines. Colton Tube Fillers.
15—Port. Elec. Mixers, ¼-2 HP.
Rotary Cutters Lab. to 40 HP.
8—Hammer Mills, 2 to 50 HP.
6—Centrifugals, 26", 30" & 40".
4—#00 & #0000 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc.

WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY.

STEIN EQUIP'T CO.
90 WEST STREET, NEW YORK 6, N. Y.

AGITATORS — Patterson, vert. Unipower, 10 HP, XP motor, 56 RPM output. Anchor type, 24"x4', glass coated, w/drive.
AUTOCLAVE—Vert. jack'td., 6'x8', S.S. clad, 40# WP, ASME Code.
BLENDERS—Sprout Waldron, jack'td., S.S. ribbon blender, 20 cu. ft. Copper, 20" dia., 20" deep, conical, M.D.
BOILER—Dowtherm, 500,000 BTU, 125# pressure, Natl. Board, gas fired.
CARPULLER—L. B., 5000# cap., 5 HP.
WEMCO CLASSIFIER—No. 78 Type SH, spiral classifier, 32' long. UNUSED.
DRYERS—Buflovak, single drum, 24" x 20", S.S. drum, vari-drive & vacuum pump. Spray, 3' x 6', S.S., electrically heated.
DUST COLLECTOR — Dracco Automatic Filter Unit, 3300 to 3900 CFM, complete. Contact parts S.S.. (Unused).
FEEDERS-VIBRATING—Jeffrey, 18" x 36"; Syntron Type F33, 12" x 36". Allis-Chalmers, 36" x 12" x 6'.
FILTERS—8' x 10' Oliver, continuous. 8' x 6' Oliver, continuous, SS Type 304. (UNUSED). Sweetland No. 12, 72 leaves, 2" spacing.
ICE BREAKERS—Champion, 8 teeth, 17" x 16" hopper.
MILLS—Day, Paint Mill, 3-roll, 16" x 40". Abbe, Size B Grinder. 13" Robinson Jr. Disc Grinder.

The above is only a partial listing of our inventory. Send us your inquiries.

Heat and Power Co., inc.
70 PINE STREET DIGBY 9-0373 NEW YORK 5, N. Y.

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

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AGENCIES WANTED

Graduate chemist, salesman, with small modern plant and laboratory, excellent transportation facilities in metropolitan area desires agency of only A-1 manufacturer. OPD 281.

Long established chemical jobber well acquainted with paint, varnish, printing ink and polish trades, would like to act as distributor for chemical manufacturer having chemicals for above or similar trades OPD 264.

BUSINESS OPPORTUNITIES

Would buy controlling interest, moderate sized, modernly equipped, well established, dry color plant; located preferably one of the northeastern seaboard states, with a know-how, record-performing personnel, producing chemical colors, lakes toners or synthetic mineral oxides. Offers in detail by correspondence from principals only, will receive fullest consideration and held in strictest confidence. OPD 276.

EQUIPMENT OFFERED

Stokes high vacuum pumps—212C, watercooled, 100 cfm; V-drive; used 3 months; satisfaction guaranteed. Price $349 each; quantity available; inspect American Sales Co., 67 E. 8th St., New York, N. Y. GRamercy 3-1465.

Stainless Filler and capper for sale—Capem 4-head screwcapper, used less than one year; Kari Kiefer 16-spout rotary vacuum filler, stainless valves and bowl, complete, less than half price; also Standard Knapp and Kyler labelers, unscrambling table, and complete bottling line; bargain prices. Chas S. Jacobowitz Co., 3080 Main St., Buffalo 14, N. Y., U. S. A., phone AMherst 2100, Cable "Jaco."

One (1) Bartlett Snow Rotary Dryer as good as new. Conveyor width: 4 ft. 7 inches, length: 20 ft. 9 inches. Far below original price. OPD 289.

EQUIPMENT WANTED

Wanted Open steel tank capacity 8500-9000 gallons, maximum height 4 feet, rectangular or shallow round. OPD 293, or telephone Michel Mu. 3-1040.

EQUIPMENT WANTED

Wanted: Used laboratory equipment and supplies of all kinds wanted by growing young laboratory. Need especially small basket centrifuge, refractometer, vacuum pumps, glassware, small stainless kettle and balance. Monomer-Polymer, Inc. 3430 W. Henderson St., Chicago 18, Ill. Cornelia 7-2221.

FACILITIES OFFERED

Mixing, grinding, screening, packaging of dry chemicals to your specifications, carload or less. Chemical manufacturer with technical staff, many raw materials and containers. Railroad siding. Metropolitan New York area. OPD 267.

FACILITIES WANTED

Desire contact with chemical manufacturer having autoclave facilities for processing 10 to 100 lb. lots. OPD 284

FORMULAS OFFERED

Offering for sale: Formulas for dyes, intermediates, chemicals and drugs, in production quantities for industrial use. No research necessary. OPD 259.

MATERIALS OFFERED

For Sale: 1650 lbs. alizarine red lake DuPont RT-332-D, original barrels. Best offer. OPD 287.

Fluorescein Dye—10,000 lbs. in 1-lb tin cans, all in excellent condition. Available at greatly reduced price. Sabin Metal Corp., 40 Lispenard St., N Y. 13

MATERIALS WANTED

A flame resisting compound for use in dry cleaning solvents OPD 286.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 266.

PLANT OFFERED

German Pharmaceutical plant in Hamburg for sale, holding Government permits for production, import and export. Owner living in U. S. A. offers 50 or 100% capital stock. $10,000 down requested. Strict confidence. OPD 294.

PLANTS WANTED

Wanted—Complete plants; also machinery. Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock, (2) assets; (3) machinery and equipment, whole, or in part. Personnel retained where possible Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Salesman wanted—by well-known feed manufacturer—to sell vitamin dry products and oils in protected territories. Man with established feed trade clienteles will find this a lucrative sideline. OPD 285.

Wanted: Chemist, minimum 5 years experience in formulating and testing metal cleaners, detergents, paint strippers, carbon removers, temporary protective coatings, emulsions. Location New York city or Newark areas. Excellent future. Our employees know of this ad. OPD 282.

Wanted: Chemist for developmental and testing work by manufacturer of rust proofing and paint bonding phosphate finishes. Required experience 10 years. Present personnel advised of this opening. OPD 283.

Shelf Goods formulator—Well established and recognized paint manufacturer located in the East has a really good opportunity to offer to a paint chemist having a minimum of three to six years experience in shelf goods formulation. Your reply will be treated in strictest confidence. Our employees know of this ad. OPD 292.

Wanted: Chemist preferably with Ph.D. degree and one with experience in manufacturing pharmaceuticals and developing new products. The Tilden Company, New Lebanon, N. Y.

POSITIONS WANTED

Industrial—Pharmaceutical sales or office management, 14 years experience. Age 47, willing to travel, location Kansas City, Mo. References personal and financial. OPD 271.

St. Louis Paint Technicians Entertain Other Clubs June 1

St. Louis Paint and Varnish Production Club will sponsor a joint meeting of the Cincinnati-Dayton-Indianapolis-Columbus, Louisville, Kansas City, Chicago clubs and individual Memphis members of the federation on June 10 at the Melbourne hotel, St. Louis.

The group will assemble at 8:30 a. m. at the hotel for a plant tour of the Titanium Pigment Corporation. Reassembling at the hotel at 12:30 p. m. for lunch, the group will conduct an afternoon symposium on mixing and grinding problems. Dinner is scheduled at 6:30 p. m., and the evening will be spent at the St. Louis Municipal Opera, which will play "Brigadoon."

Pilot Has Ultra-Violet Absorbers

Pilot Chemicals, Inc., New York, is offering furfuralazine and cinnamalazine, two ultra-violet absorbing chemicals. The azines, which are colorless in some concentrations, are said to have wide applications in such things as paints, plastics and laminated glass to prevent deterioration through exposure to sunlight.

Congressional Investigation

—Continued from page 4

tendency among some companies to market their products without adequate testing. He thought that the food sections of the food, drug and cosmetic act should be amended to conform to the requirements of the "new drug" sections which prohibits manufacturers from placing a "new drug" on the market before its safety has been assured.

He emphasized that there is much to be learned about the long-term deleterious effects of chemicals in food before adequate legislation can be written. He stated emphatically that he knows absolutely nothing about the effect of fertilizers on public health.

OUR INVENTORIES LOW!
WANTED
Chemicals — Drugs — Pharmaceuticals
Dyes — Oils — Waxes — Solvents, etc.
Wastes — Residues — By-Products
Chemical Service Corporation
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HANOVER 2-6970

Top Quality Equipment
Mikro #2 Pulverizer—M.D.
Day 3 Roll Mills Watercooled, 12 x 30 and 16 x 40.
J. H. Day 8 gal. Pony Mixer P.D.
Abbe #2 Bluttegess Sifter—M.D.
Houchin Aiken "Empire State" foot press.
Powder Mixer 400 lb.—M.D.
Consolidated Powder Filler.
Centrifuge 12" Perf. Bronze Basket—M.D.
Robinson S/S 2 separation Sifters—M.D.
Send us your surplus list!!
JASPER Machinery Co., Inc.
1123 Broadway, New York 10, N. Y.
CHelsea 2-2774

FOR SALE
3—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4'6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.
10—8" Premier Colloid Mills
Specializing in Rebuilt Machinery
IRVING BARCAN COMPANY
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DElaware 2-6695

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AVAILABLE . . . Custom Refining Facilities
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Ball Mills	Dryers, All Kinds
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30 Grams under schedule
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Soybean Crush: March

Soybeans received and crushed and production of soybean oil and meal during March and February, 1950, as compiled by Bureau of the Census, follows:—

Soybeans

	March 1950	Feb. 1950
	Tons	
Receipts	356.677	308.445
Crushed	543.355	463.979
Stocks at mills	1.439.731	1.626.409

Crude Oil

	Pounds	
Produced	177.518.000	153.046.000
Stocks at mills	27.804.000	31.315.000

Refined Oil

	Pounds	
Produced	146.063.000	118.749.000
Factory and whse. stocks	64.118.000	66.791.000

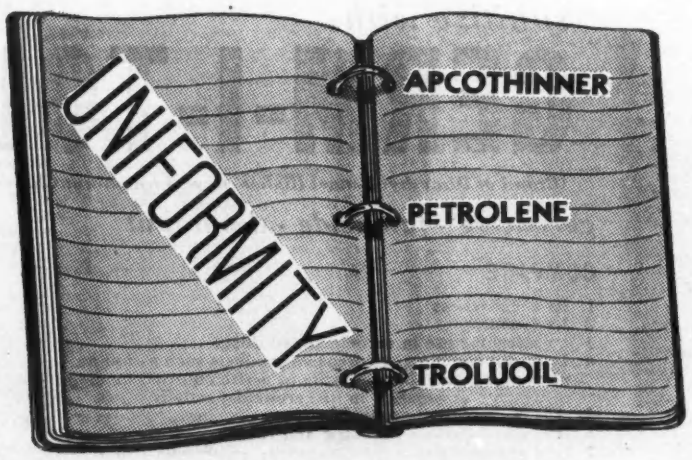
Cake and Meal

	Tons	
Produced	422.443	363.249
Stocks at mills	76.951	69.655

Trade Briefs

Hardinge Company, York, Pa., has published a revised bulletin on rod mills for grinding and pulverizing, Bulletin 25B.

E. J. Grimes, vice-president of Cargill, Inc., Minneapolis, Minn., has been elected agriculture director on the board of the United States Chamber of Commerce.



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